OBSERVATIONS OF DRILLING WASTES AT THE HIBERNIA OIL FIELD SITE, 1998 - 2000

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by

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ABSTRACT

B.A., Law[1], G. Wohlgeschaffen[1], S.E. Cobanli, K. Lee, T.G. Milligan[1], A.R.J., Stewart[1] and D.K. Muschenheim[2]. Observations of Drilling Wastes at the Hibernia Oil Field Site, 1998-2000.

Since July 1995, DFO has carried out a sampling program to determine the background levels and characteristics of the naturally occurring and discharged particulate materials at the Hibernia development field. The baseline study was completed in July 1995. Operational survey missions were carried out in 1997, 1998, 1999, and 2000. The objectives of these missions were to collect samples both from the water column and benthic boundary layer, for analysis of total suspended particulate material, disaggregated inorganic grain size, and for microbial biomass and activity. In addition, imaging techniques were used to obtain data to survey the extent of particulate drilling waste dispersion around the Hibernia platform. Stations were occupied along orthogonal transects running north-south and east-west from 0.5 to 20 km from the Hibernia platform. Twenty-four hour anchor stations were occupied at 1.0 km, 2.5 km, and 10.0 km Southwest of the platform along the line of predicted mean current drift. Samples and images were collected from the water column and benthic boundary layer using Niskin bottles, BOSS, CABLE, Campod and Slurper. Results showed low concentration of total suspended particulate matter and inorganic suspended sediments that were comparable to background levels collected on the baseline survey in 1995. However the proportion of particulate drilling wastes in the samples has increased gradually over time.

RÉSUMÉ

B.A., Law[1], G. Wohlgeschaffen[1], S.E. Cobanli[1]. K. Lee , T.G. Milligan[1], A.R.J., Stewart[1] et D.K. Muschenheim[2]. Observations de résidus de forage à l'emplacement du champ pétrolifère Hibernia, 1998-2000.

Depuis juillet 1995, le MPO a mené un programme d'échantillonnage afin de déterminer les concentrations de fond et les caractéristiques de la matière particulaire déversée au champ pétrolifère Hibernia.. L'étude de base a été complétée en juillet 1995. Des missions opérationnelles de relevés ont été menées en 1997, 1998, 1999 et 2000. Ces missions avaient comme objectifs la collecte dans la colonne d'eau et dans la couche limite benthique d'échantillons dans lesquels on déterminait la quantité totale de matière particulaire en suspension, la taille des grains inorganiques désagrégés ainsi que la biomasse et l'activité microbiennes. On a en outre utilisé des méthodes d'imageage afin de recueillir des données sur la dispersion des résidus particulaires de forage autour de la plate-forme Hibernia. Des stations à des intervalles de 1,0, 2,5 et 10 km le long de transects orthogonaux nord-sud et est-ouest ont été occupées dans le secteur s'étendant de 0,5 à 25 km de la plate-forme Hibernia. Vingt-quatre stations d'ancrage ont été occupées à 1,0, 2,5 et 10,0 km au sud-ouest de la plate-forme dans la direction prévue de dérive moyenne due au courant. Les échantillons et les images ont été recueillis dans la colonne d'eau et la couche limite benthique au moyen de bouteilles Niskin et d'appareils BOSS, CABLE, Campod et Slurper. Les résultats indiquent de faibles concentrations de matière particulaire totale en suspension et de sédiments inorganiques en suspension comparables aux concentrations de fond dans les échantillons recueillis dans le cadre de l'étude de base exécutée en 1995. Cependant, la proportion de résidus particulaires de forage dans les échantillons a progressivement augmenté en fonction du temps.

INTRODUCTION

The Hibernia oil field is located in the Jeanne d'Arc Basin, 315 km east of St. John's, Newfoundland. The field consists primarily of two reservoirs, Hibernia and Avalon which produce a light sweet crude. A Gravity Based Structure (GBS) was positioned at the Hibernia field (46°45.03' N, 48° 31.15' W) on June 6, 1997 (Figure 1). Drilling operations began in July 1997 with oil production following five months later in November 1997. In the first 16 months production totalled approximately 30 million barrels (bbls) (www.Nfld.andLab.com, 1999). Today reserve estimates have increased from the original 615 million bbls to over 885 million bbls and production has reached an average of over 180,000 bbls a day (www.CNOPB.nfnet.com, 2001).

In July 1995, DFO initiated a study , funded by the Program on Energy Research and Development (PERD), to determine the fate and effects of particulate drilling wastes discharged to the marine environment by the Hibernia project. A baseline survey was carried out from *C.C.G.S Parizeau* (Mission 95-013), prior to emplacement of the GBS, to examine background levels and characteristics of naturally occurring particulate material prior to the initiation of drilling from the GBS (Milligan et al., 1997). A second study (Mission 97-053), was carried out from *C.C.G.S Parizeau* in October, 1997. The objectives of this operational phase mission were to collect suspended particulate material (SPM) both from the water column and benthic boundary layer and to obtain imaging data to survey the extent of particulate drilling waste dispersion around the Hibernia platform shortly after the initiation of drilling activities (Saunders et al.,1999). The surveys consisted of a series of anchor and transect stations ranging from 0.5km to 20km away from the GBS (Figure 2).

Microbiological analyses were also conducted to examine spatial changes in microbial activity around the GBS. The discharge of drilling wastes as well as other organic components may alter microbial activity, which would define an "impact zone" from drilling operations. Changes in microbial activity or production may also be reflected in the ecosystem at different trophic levels. Therefore, the microbiological objectives of the mission were to examine spatial changes in microbial activity surrounding the GBS. So bacterial productivity, relative bacterial activity, bacterial numbers, and relative potential for hydrocarbon utilization in the water column, with emphasis on the benthic boundary layer were measured from stations around the GBS. Water column nutrient samples were also collected from stations on transects.

Experiments were initiated on board *CCGS Hudson*, and terminated at the Bedford Institute of Oceanography where the subsequent laboratory extractions, counting of radioactive samples, and data analyses were done. Nutrient analyses were conducted at the Maurice Lamontagne Institute.

In this report we present the data obtained from three subsequent sampling periods, from the *C.C.G.S Hudson*, Missions 98-015, 99-012 and 2000-020. These three studies had the same oceanographic objectives and sampling stations as Mission 97-053, as outlined in Saunders et al. (1999).

SAMPLING PROCEDURES

The sampling programs were carried out from the *C.C.G.S. Hudson* from June 4 – 10, 1998, (Mission 98-015), May 23 - 31, 1999, (Mission 99-012) and June 15 - 22, 2000, (Mission 2000-020). Each program was started with the deployment of the MIMS tripod at 46° 45.77' N, 48° 46.54' W, approximately 1.0 NM north of the Hibernia GBS, near the deployment points for the other current meters and within the vessel exclusion zone. The tripod usually was deployed for the duration of the sampling program to provide data on currents and suspended particulate material. Long-term current measurements were obtained by two moorings which were maintained from February, 1998 through August, 2000. One mooring consisted of three Aanderaa RCM8 meters mounted at 3, 10 and 17 m above the seabed. The other mooring consisted of the MiniMIMS tripod with either a VDV-1 acoustic current meter (Focal Technologies) or an Ocean Instruments S4 electromagnetic current meter. The results from these deployments are presented elsewhere (Geshelin and Loder, 2001).

An important aspect of each survey was the sequential deployment of sampling gear at two-hour intervals at a single location, called "anchor stations", throughout one or two tidal cycles. Water depths prevented anchoring but the ship maintained position for the duration of the sampling period. During Mission 98-015 one twelve hour and two twenty-four hour anchor stations were occupied at 10.0, 2.5 and 1.0 km (HAS 03-01 respectively) Southwest of the GBS (figure 2). The locations of these stations were determined from the predicted mean current drift. The first two anchor stations had thirteen deployments and the third had seven deployments. During mission 99-012 two twenty-four hour anchor stations were occupied at 1.0 km and 2.5 km Southwest of the GBS. The first anchor station had thirteen deployment cycles completed, the second anchor station had seven deployments. During mission 2000-020 two twenty-four hour and one twelve hour anchor stations were occupied located at 1.0 km, 2.5 km, and 10 km away from the GBS platform. The first anchor station had thirteen deployment cycles completed, the second anchor station had thirteen deployments, and the third had seven deployments. At each anchor station, a deployment cycle consisting of Campod w/Slurper, CTD/Rosette, Compact Autonomous Benthic Layer Explorer (CABLE), and Benthic Organic Seston Sampler (BOSS) was carried out every two hours. For each deployment, water column samples were collected from 5L Niskin bottles mounted on a rosette at 1m, 25m, 50m, and near bottom depths (ranging from 74 to 101m). The benthic boundary layer was sampled using Cable and BOSS. The Cable package had two 1.7L Niskin bottles that collected water samples from a depth interval of 0.35-0.70 m above bottom and represented a sample from 0.5m above the bottom. BOSS collected water samples from 0.05 to 0.50m above the seafloor (Muschenheim et al.,1995). These samples were pooled from 0.05-0.25m and 0.35-0.50m above the bottom representing a sample from 0.15m and 0.42m above the bottom. In this report we present only the data obtained from the three anchor stations occupied during Mission 98-015 and the thirteen deployments of HAS01 from Mission 2000-020.

During Missions 98-015 and 99-012 four transect lines were sampled in a north, south, east and west direction from the Hibernia platform. Each transect line consisted of seven stations at distances of 0.5, 1.0, 1.5, 2.5, 5.0, 10 and 20 km from the GBS platform (Figure 2). During Mission 2000-020 a north-west transect line with stations at distances of 500, 1000, 1500, 2500, 4000, and 6000 meters from the platform was added to the standard sampling grid. These additional stations were sampled in conjunction with work being done on lethal and sub-lethal impacts of drilling wastes on adult sea scallops (Cranford and Gordon, 1991;1992).

Imaging data was obtained using the Campod and CABLE packages. High resolution video (SONY 3-CCD camera) imaging through the water column and 35mm colour still photographs of the seafloor were obtained on each deployment of the Campod at the anchor stations and most of the transect stations. The CABLE platform had a digital silhouette camera which took photographs at 4 second intervals as it was lowered through the water column. Imaging data from the digital floc camera was collected at all anchor and transect stations.

METHODS

Suspended Sediment Analyses

Sample processing followed the same procedures as that reported for the baseline (Milligan et al., 1997) and first operational surveys (Saunders et al., 1999). All samples from the 98-015 Mission were analyzed while a subset consisting of all transect stations and one anchor station (HAS01 from mission 2000-020) from Missions 99-012 and 2000-020 were analyzed and the rest of the samples archived.

Water samples were collected for total suspended particulate matter (SPM) and disaggregated inorganic grain size (DIGS) analysis from the sediment-water interface (Slurper), 1m, 25 m, 50 m, and bottom Niskin bottles, CABLE and BOSS. Known volumes of water were filtered onto pre-weighed 0.8 μm 47mm AAWP Millipore filters using standard gravimetric methods (Winneberger et al., 1963, Kranck and Milligan, 1979). The samples were placed in a drying oven at < 60°C for 24 hours and then stored for re-weighing in the lab. The samples were placed in individual desiccant pots prior to being re-weighed on a Mettler AE163 balance (±0.05 mg) to determine the total (SPM) values in g m^{-3}. (Winneberger et al., 1963)

DIGS analysis was carried out using the method described by Kranck and Milligan (1979) and Milligan and Kranck (1991). Samples were placed in a low temperature plasma asher (LTA-504, LFE Corp. Waltham, Mass., USA) to remove the cellulose membrane filter and the organic matter. After ashing, the samples were treated with an excess of 35% ACS grade Hydrogen Peroxide (H_2O_2) to remove any remaining organic residue (Milligan and Kranck, 1991). The inorganic suspended sediments were resuspended in an electrolyte solution of 1% NaCl and disaggregated using a sapphire-tipped ultrasonic probe (LX2020 Sonicator®, Heat Systems Ultrasonics Inc., Farmingdale, N.Y.) before particle size analysis on a Coulter® Multisizer IIe. The Coulter® Multisizer IIe is a multichannel, electroresistance particle size analyzer, which measures particles sizes within the range of 0.4 microns to 1200 microns. (Coulter, 1991).

The DIGS distributions for the Niskin, BOSS and CABLE samples are expressed as volume/volume concentration in parts per million (PPM) and are plotted using SigmaPlot version 2001, as log concentration PPM versus log diameter in microns (Milligan and Kranck, 1991). The total PPM value represents the sum of all the volumes over the complete size range for a sample (Tables 1 to 7). Samples from the Slurper were screened at 160 microns before size analysis to remove sands. The Slurper samples are represented as % concentration normalized over the size range analyzed (Milligan et al., 1997).

Microbiological Methods

At all north, south, east and west transect stations, water from the CTD (1, 25, 50 and 75 m) and CABLE (5-25 cm, 35-50 cm) cast was subsampled for nutrient analysis and for bacterial enumeration. Along the northwest transect (NW 8-500 to NW 8-6000) which was done only in 2000, water from the CTD cast was subsampled for nutrients and bacteria (Saunders et al., 1999).

In 1998, bacterial productivity (3H-thymidine incorporation into DNA) experiments (Saunders et al., 1999) were conducted with subsamples from the CTD/CABLE depth profile collected at transect stations 0 (0.5 km), 3 (3 km), 5 (10 km), and 6 (20 km). Additional thymidine experiments were done with subsamples from the 'close' station, PT1, 0.2 km Southwest of GBS. In 1999, thymidine experiments were conducted with subsamples from transect stations HW0 (0.5 km west), HW2 (2 km), HW5 (10 km), HN0 (0.5 km north), HN5 (10 km), HE5 (10 km east), HS0 (0.5 km south), HS2 (2 km) and HS5 (10 km). Thymidine experiments were done again in 2000 for at stations 0, 3, 5 and 6 of each transect.

Hydrocarbon degradation potential (14C-hexadecane respiration rate) in 1999 was measured (Saunders et al., 1999) at HS5 (10 km), and at HS6 (20 km) in 1998 and 2000.

To examine relative heterotrophic activity, ^{14}C glutamic acid experiments (Saunders et al. 1999) were conducted in 1998 on water column subsamples from Stations 0 (0.5 km) and 6 (20 km) of each transect, and from PT1. In 2000, glutamic acid experiments were done at stations 0 and 6 of each transect.

Sampling of the depth profile was also conducted at anchor stations south-west of the GBS (downstream in the direction of the predicted current drift) to determine the significance of temporal changes using thymidine and glutamic acid experiments and bacterial counts. In 1998, at anchor stations HAS1 (1 km), HAS2 (2.5 km), and HAS3 (10 km) subsamples were taken from the CTD, CABLE and BOSS (5-25 cm, 35-50 cm) casts at time 0 h (1), 6 h (4), 12 h (7) and 18 h (10). HAS 3 was only a 12 hour anchor station due to time constraints. In 1999, BOB (5-25 cm, 35-50 cm) samples were added to the anchor station depth profile and similar analyses at the 0 and 6 hour time interval were conducted at HAS1 and HAS2. Hydrocarbon degradation potential (14C-hexadecane respiration rate) was measured at HAS1 and HAS2, sampling time 1 (0 h). For anchor stations 1 to 3 in 2000, subsamples were taken from CTD, CABLE, BOSS and BOB for bacterial counts and thymidine and glutamic acid experiments; however, the thymidine samples were accidentally destroyed. A hexadecane experiment was conducted at sampling time 1 (0 h) for each anchor station.

Thymidine Concentration Experiment

In 1998, a thymidine experiment was conducted on water from HAS 3-2 to verify that the concentration of 5 nmoles was appropriate for these experiments. A range of concentrations of ^{3}H thymidine (1, 2, 4, 6, 8, 10, 15 and 20 nM) was added to duplicate 32 mL samples from surface (1 m) and near bottom (70 m), and the experiment was conducted in the same manner as for transect and anchor stations (Saunders et al., 1999). These depths were chosen to represent the two incubation temperatures that were used in all the other experiments.

To plot the data, ng C/L/hr were determined for each concentration, and normalized to 5nmoles, which was determined by averaging the incorporation for HAS 3-1, 3-4, and 3-7 of surface and bottom, and the rate at each concentration being divided by the average rate at 5 nmoles (Kirchman, 1992). These normalized values were plotted against concentration.

S4 CURRENT METER DATA

The S4 electromagnetic current meter, mounted 1m off the seabed, was deployed between June 4 -10 during mission 98-015, from May 23 - 28 for mission 99-012, and from June 16 - 21 during mission 2000-012. Five minute data averages were recorded every 15 minutes for the duration of the deployments.

RESULTS AND DISCUSSION

Tables 1 through 7 list sample information from the three missions, including station number, dGPS position, time (UTC), depth (m), type of sampler, SPM (g m^{-3}), inorganic PPM and identifier number. Table 1 lists information for the transect stations from Mission 98-015. Tables 2 - 4 list information for anchor stations HAS01, HAS02 and HAS03 from Mission 1998-015. Table 5 lists information for data collected during Mission 1999-012. Sample information from the transect stations and anchor station HAS01 from Mission 2000-020 are listed in Tables 6 and 7 respectively.

Transect Stations

Raw DIGS data (Tables 8 to 35) and plots (Figures 6 to 15) from the transect stations for Mission 98-015 are presented. Total SPM values for the Niskin samples from the transect stations ranged from 0.15 to 7.75 g m^{-3} with a mean of 0.62 g m^{-3} . Inorganic suspended sediment values ranged between 0.019 to 2.377 PPM with a mean of 0.134 PPM. The SPM values for the 1997 Niskin samples ranged from 0.30 to 4.09 g m^{-3} with a mean 0.76 g m^{-3} whereas the inorganic suspended sediment values ranged between 0.004 to 0.152 PPM with a mean of 0.040 PPM. The total SPM values for the benthic boundary layer (CABLE) samples ranged from 0.19 to 5.04 g m^{-3} with a mean of 1.22 g m^{-3} and the inorganic suspended sediment samples ranged from 0.042 to 0.262 PPM with a mean of 0.110 PPM. The total SPM values for the 1997 benthic boundary layer (CABLE) samples ranged from 0.35 to 10.18 g m^{-3} with a mean of 2.14 g m^{-3} and the inorganic suspended sediment samples ranged from 0.030 to 0.211 PPM with a mean of 0.106 PPM.

Tables 68 to 88 and figures 28 to 34 show the DIGS data and plots from Mission 99-012. The total SPM values for the Niskin samples on the transect stations ranged from 0.06 to 3.83 g m^{-3} with a mean of 0.46 g m^{-3} and the inorganic suspended sediment values ranged between 0.004 to 0.224 PPM with a mean of 0.029 g m^{-3} . The total SPM values for the benthic boundary layer (CABLE) samples ranged from 0.42 to 9.96 g m^{-3} with a mean of 2.21 g m^{-3} and the inorganic suspended sediment samples ranged from 0.038 to 0.224 PPM with a mean of 0.112 PPM.

DIGS data and plots from the transect stations sampled during mission 2000-020 are presented in tables 89 to 119 and figures 35 to 45. The total SPM values for the Niskin samples on transect stations ranged from 0.02 to 2.49 g m^{-3} with a mean of 0.56 g m^{-3} and the inorganic suspended sediment values ranged between 0.0001 to 0.048 PPM with a mean of 0.024 PPM. PPM. The total SPM values for the benthic boundary layer (CABLE) samples ranged from 0.13 to 4.77 g m^{-3} with a mean of 1.05 g m^{-3} and the inorganic suspended sediment samples ranged from 0.008 to 0.093 PPM with a mean of 0.04 PPM.

These values were similar to the background levels of mission 95-013 and levels obtained during mission 97-053. The total SPM values for the 1995 Niskin samples on the transect stations ranged from 0.19 to 5.91 g m^{-3} with a mean of 0.75 g m^{-3} and the inorganic suspended sediment values ranged between 0.005 to 0.141 PPM with a mean of 0.028 PPM. CABLE was not part of mission 95-013 sampling protocol.

The DIGS for the Niskin and Cable samples from mission 98-015 tended to have a rounded distribution. This was evident by a distinct modal peak seen between 8 and 11 microns and was similar to data presented from mission 95-013 (Milligan et al.,1997). The Slurper samples tended to have a broader distribution with poorly defined size spectra.

The DIGS spectra from mission 99-012 for the surface, 25m and 50m samples were generally flat broad-shaped distributions with lower PPM concentrations than the deeper water samples. The irregular shape of the curves can be attributed to very low counts across the size distribution that pushed the detection of the Multisizer IIe close to background levels (Coulter, 1991). The DIGS for the bottom depth and CABLE samples showed a more distinct modal peak between 8 and 11 microns.

The DIGS spectra from Mission 2000-020 were similar to those of Mission 99-012 for both the Niskin and CABLE samples. The Slurper samples tended to have a broader distribution with characteristics similar to the bottom Niskin and Cable samples.

Evidence of the presence of particulate drilling wastes from DIGS data had been observed at 12 of the 28 transect stations during *Parizeau* Mission 97-053, but only in the surface water samples. In contrast, only 3 of the 28 transect stations from the 98-015 mission showed evidence of particulate drilling wastes and these indications came from CABLE, not Niskin, samples. During mission 99-012, 7 of 28 transect stations exhibited drilling waste signatures, generally in the deepest Niskin and CABLE samples. Mission 2000-020 resulted in 14 of 28 transect stations showing drilling waste signatures, but overall concentrations were very low.

Anchor Stations

Current speed at anchor station HAS01, Mission 98-015, ranged from 10.8 cm s^{-1} to 16.3 cm s^{-1} over the tidal cycle. Current speed for anchor station HAS02 ranged from 3.1 cm s^{-1} to 24.4 cm s^{-1}. Data could not be shown for HAS03 because the MIMS tripod was recovered before sampling started at HAS03.

Tables 36 to 67 and figures 16 to 27 represent the data and plots of the DIGS for the three anchor stations from Mission 98-015. The total SPM values for the Niskin samples at anchor station HAS01 ranged from 0.27 to 3.89 g m^{-3} with a mean of 1.03 g m^{-3} and the inorganic suspended sediment values ranged between 0.023 to 0.146 PPM with a mean of 0.080 PPM. The total SPM values for the CABLE samples at anchor station HAS01 ranged from 0.27 to 3.29 g m^{-3} with a mean of 1.14 g $m^{-3}$and the inorganic suspended sediment values ranged from 0.061 to 0.127 PPM with a mean of 0.084 PPM. The total SPM for the BOSS samples at a depth of 0.05-0.25m above bottom ranged between 5.67 to 746.1 g m^{-3} with a mean of 165.1 g m^{-3} . The samples at a depth of 0.35-0.50m above bottom ranged from 1.77 to 18.60 g m^{-3} with a mean of 7.43 g m^{-3}. The inorganic suspended sediment values for the BOSS samples at a depth of 0.05-0.25m above bottom ranged from 1.749 to 158.9 PPM with a mean of 30.62 PPM. The samples at a depth of 0.35-0.50m above bottom ranged from 0.364 to 2.075 PPM with a mean of 1.275 PPM.

The total SPM values for the Niskin samples at anchor station HAS02 ranged from 0.39 to 7.57 g m^{-3} with a mean of 1.38 g m^{-3} and the inorganic suspended sediment values ranged between 0.033 to 0.138 PPM with a mean of 0.070 PPM. The total SPM values for the CABLE samples at anchor station HAS02 ranged from 0.94 to 4.50 g m^{-3} with a mean of 1.41 g m^{-3} and the inorganic suspended sediment values ranged from 0.071 to 0.119 PPM with a mean of 0.083 PPM. The total SPM for the BOSS samples at a depth of 0.05-0.25m above bottom ranged between 8.54 to 2323.4 g m^{-3} with a mean of 248.2 g m^{-3} . The samples at a depth of 0.35-0.50 m above bottom ranged from 5.13 to 439.5 g m^{-3} with a mean of 42.94 g m^{-3}. The inorganic suspended sediment values for the BOSS samples at a depth of 0.05-0.25m above bottom ranged from 0.914 to 1141.9 PPM with a mean of 112.7 PPM. The samples at a depth of 0.35-0.50m above bottom ranged from 1.255 to 103.9 PPM with a mean of 9.94 PPM.

Total SPM values for the Niskin samples at anchor station HAS03 ranged from 0.22 to 11.77 g m^{-3} with a mean of 1.31 g m^{-3} and the inorganic suspended sediment values ranged between 0.033 to 0.140 PPM with a mean of 0.083 PPM. The total SPM values for the CABLE samples at anchor station HAS03 ranged from 0.15 to 11.45 g m^{-3} with a mean of 2.53 g m^{-3} and the inorganic suspended sediment values ranged from 0.050 to 0.128 PPM with a mean of 0.085 PPM. The total SPM for the BOSS samples at a depth of 0.05-0.25m above bottom ranged between 5.94 to 3855.7 g m^{-3} with a mean of 558.56 g m^{-3} . The samples at a depth of 0.35-0.50m above bottom ranged from 3.01 to 40.20 g m^{-3} with a mean of 9.21 g m^{-3}. The inorganic suspended sediment values for the BOSS samples at a depth of 0.05-0.25m above bottom ranged from 0.602 to 63.4 PPM with a mean of 10.1 PPM. The samples at a depth of 0.35-0.50m above bottom ranged from 0.320 to 2.20 PPM with a mean of 1.079 PPM.

Current speed at anchor station HAS01, Mission 2000-020, ranged between 1.1 cm s^{-1} and 18.1 cm s^{-1} over the tidal cycle. Tables 120 to 132 and figures 23 to 27 represent the data and plots of the DIGS for the anchor station. The total SPM values for the Niskin samples at anchor station HAS01 ranged from 0.09 to 3.35 g m^{-3} with a mean of 0.61 g m^{-3} and the inorganic suspended sediment values ranged between 0.003 to 0.139 PPM with a mean of 0.026 PPM. The total SPM values for the CABLE samples at anchor station HAS01 ranged from 0.17 to 4.12 g m^{-3} with a mean of 1.70 g $m^{-3}$and the inorganic suspended sediment values ranged from 0.018 to 0.130 PPM with a mean of 0.062 PPM. The total SPM for the BOSS samples at a depth of 0.05-0.25m above bottom ranged between 0.44 to 27 g m^{-3} with a mean of 2.25 g m^{-3} . The samples at a depth of 0.35-0.50m above bottom ranged from 0.28 to 29.41 g m^{-3} with a mean of 2.45 g m^{-3}. The inorganic suspended sediment values for the BOSS samples at a depth of 0.05-0.25m above bottom ranged from 0.057 to 0.817 PPM with a mean of 0.068 PPM. The samples at a depth of 0.35-0.50m above bottom ranged from 0.677 to 1.700 PPM with a mean of 1.161 PPM.

In Mission 97-053 evidence of drilling waste had been observed in 11 samples from HAS01 and 9 samples from HAS02. Results from Mission 98-015 showed drilling wastes present in 6 samples from both HAS01 and HAS02 and in 1 sample from HAS03. All anchor station samples from Mission 99-012 have been archived and none have been run to date. Results from Mission 2000-020 showed that 7 samples from HAS01 contained particulate drilling waste material.

The DIGS spectra for the Niskin and CABLE samples from the anchor stations had a similar shape and modal size range compared to the samples from the transect stations. The DIGS spectra from the BOSS samples from Mission 98-015 showed resuspension of sands in the modal size range of 250 to 300 um in a few deployments at both sampling depths. This resuspension of sands greatly increases the values of SPM and PPM and the mean values for each of these measurements. The resuspension of sands was not seen in the BOSS samples collected during HAS01 from Mission 2000-020.

Microbiological Results

The results have been compiled as graphs. Appendix VII, VIII and IX comprise the results for 1998, 1999 and 2000 respectively.

Summary

The total SPM values for the Niskin samples taken through the water column tend to be < 2.00 g m^{-3}. These values were similar to levels found during Mission 97-053 and to the background levels of Mission 95-013. The DIGS for the Niskin and CABLE samples at the transect stations varied over the three year sampling period. The DIGS spectra of the Niskin and CABLE samples from Mission 98-015 showed a modal peak between 8 and 11µm and tended to have a rounded size distribution which was similar to data obtained during mission 95-013 (Milligan et al., 1997). The DIGS from Mission 99-012 and 2000-020 for the surface, 25m, and 50m samples were generally flat broad-shaped distributions with lower PPM concentrations than the deeper water samples. The irregular shape of the distributions can be attributed to very low counts across the size distribution and pushed the detection of the Multisizer IIe close to background levels. (Coulter, 1991). The DIGS for the bottom depth and CABLE samples showed a more distinct modal peak between 8 and 11 microns. This was similar to data obtained from Mission 97-053 (Saunders et al.,1999). The DIGS for the Niskin and CABLE samples through the water column for the anchor stations had a similar shape and modal size range compared to the samples of the transect stations. The DIGS for the BOSS samples showed resuspension of sands in the modal size range of 250 to 300 µm from Mission 98-15 but was not seen in the BOSS samples collected during HAS01 from Mission 2000-020.

Although substantial evidence of drilling waste had been observed in the upper water column during the 97-053 Mission, subequent sampling has shown most drilling waste to be confined to the lower water column and benthic boundary layer. Although overall SPM concentrations have remained low, comparable to the background SPM concentrations observed during the baseline survey in 1995, from 1998 through 2000 there has been an increase in the number of stations showing positive signs of the presence of drilling wastes in suspension.

Acknowledgements

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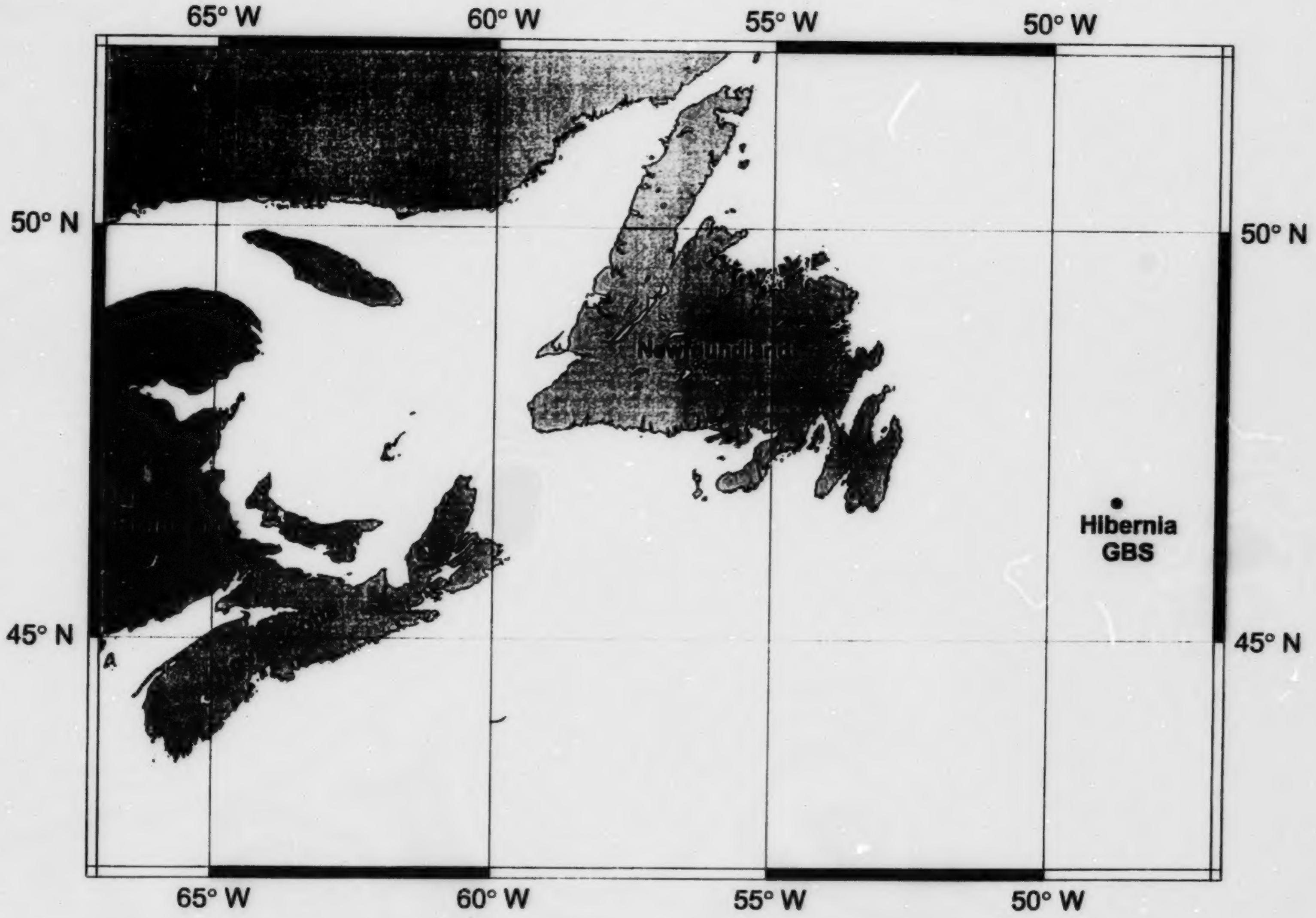
65° W
60° W
55° W
50° W
50° N
45° N
Newfoundland
Hibernia
GBS

Fig 1. Location Map showing the geographical position of the Hibernia GBS platform.

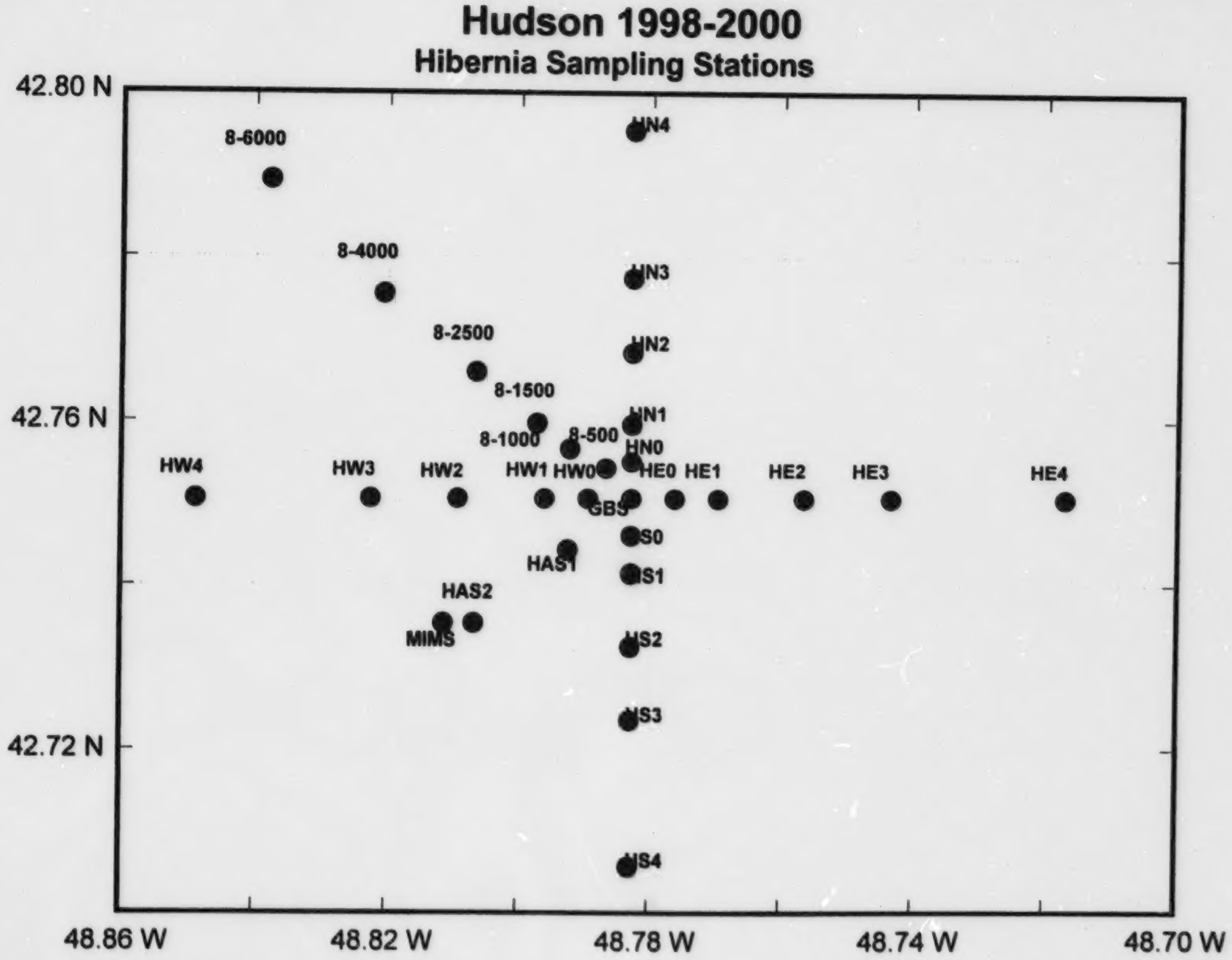
Hudson 1998-2000
Hibernia Sampling Stations
42.80 N
42.76 N
42.72 N
48.86 W
48.82 W
48.78 W
48.74 W
48.70 W
8-6000
8-4000
8-2500
8-1500
8-1000
8-500
HN4
HN3
HN2
HN1
HN0
HW4
HW3
HW2
HW1
HW0
GBS
HE0
HE1
HE2
HE3
HE4
HS0
HAS1
HS1
HAS2
MIMS
HS2
HS3
HS4

Figure 2. Station location plot for Hudson 98-015 through to 2000-020 in decimal degrees. Additional stations at 10, 20 kms on the North, South, East and West transects are not shown. Stations 8-500 to 8-6000 were only sampled during mission 2000-020.

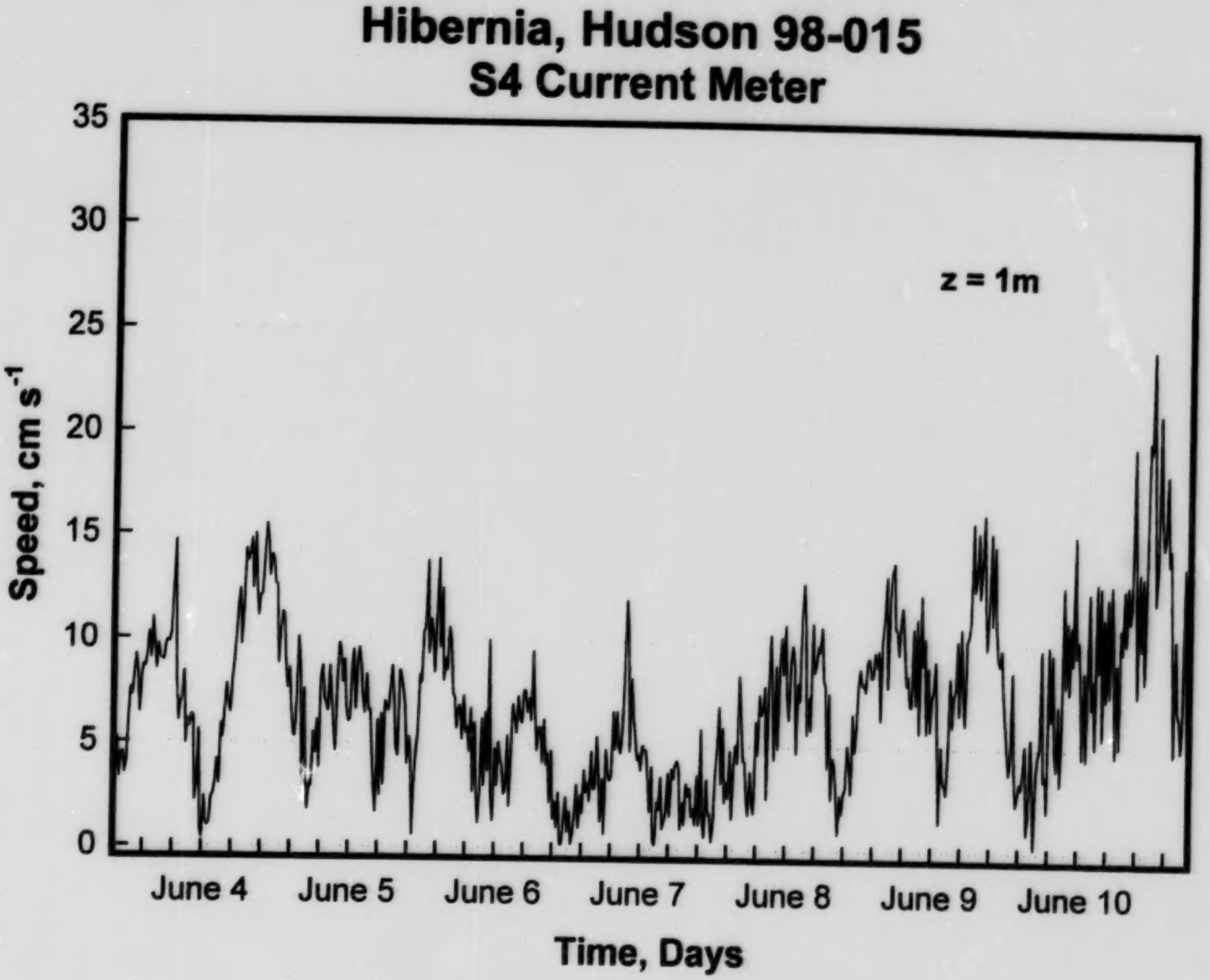

Figure 3. S4 electromagnetic current meter record from MIMS deployment. The S4 was moored 1 meter off bottom in 80m of water

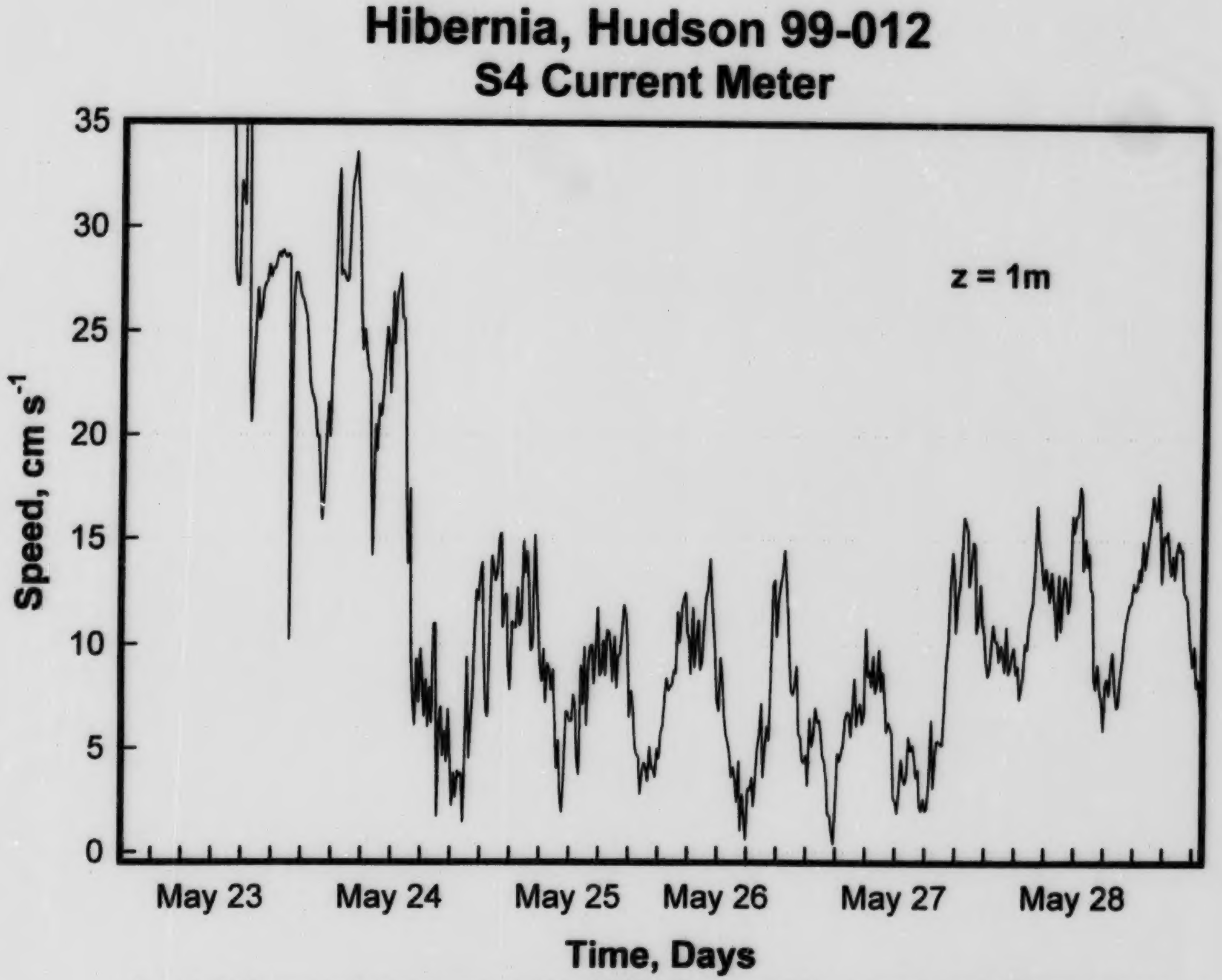

Figure 4. S4 electromagnetic current meter record from MIMS deployment. The S4 was moored 1 meter off bottom in 80m of water

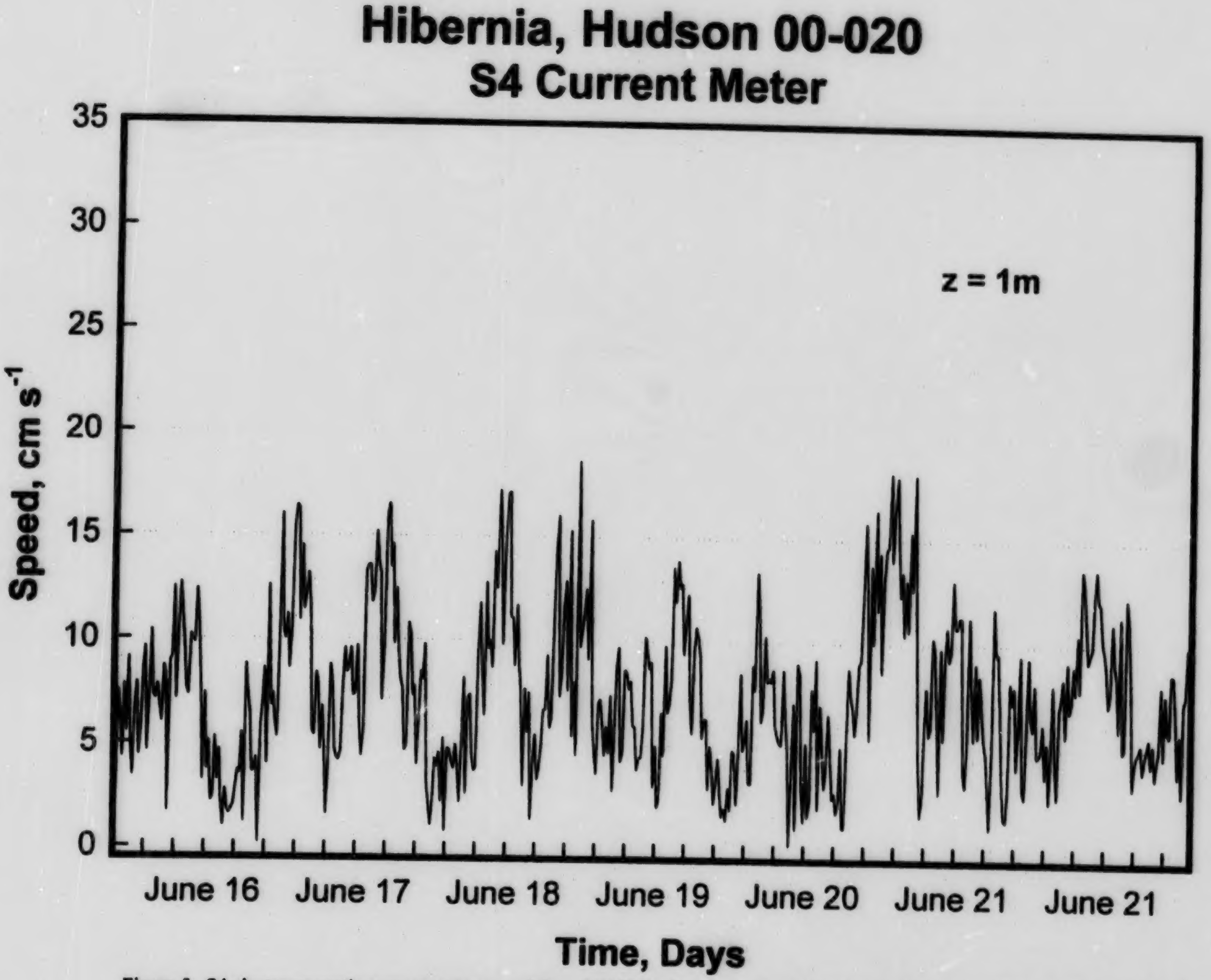

Figure 5. S4 electromagnetic current meter record from MIMS deployment. The S4 was moored 1 meter off bottom in 80m of water

Table 1. Listing of sample information for transect stations for Mission 98-015.

STN	Latitude	Longitude	TIME(GMT)	DEPTH(m)	SAMPLER	SPM g m^{-3}	Inorg. PPM	ID NUMBER
HN0	46 45.36' N	48 46.95'	2246	1	Niskin	0.47	0.14865	980605048
HN0			2246	25	Niskin	0.49	0.16018	980605047
HN0			2246	50	Niskin	0.25	0.05836	980605046
HN0			2246	70	Niskin	0.51	0.11197	980605045
HN0			2319	76	CABLE	1.11	0.10728	980605049
HN0			2205	75	Slurp	7.28	1.43212	980605044
HN1	46 45.56' N	48 46.92'	1152	1	Niskin	0.55	0.20094	980605036
HN1			1152	25	Niskin	0.54	0.20197	980605035
HN1			1152	50	Niskin	0.36	0.09128	980605034
HN1			1152	70	Niskin	0.36	0.14729	980605033
HN1			1245	76	CABLE	1.05	0.08361	980605037
HN1			1130	77	Slurp	5.56	1.17696	980605032
HN2	46 46.10' N	48 46.97'	1051	1	Niskin	0.44	0.18134	980605030
HN2			1051	25	Niskin	0.49	0.15401	980605029
HN2			1051	50	Niskin	0.39	0.07908	980605028
HN2			1051	68	Niskin	0.57	0.11293	980605027
HN2			1025	76	CABLE	0.65	0.09986	980605031
HN2			955	77	Slurp	9.40	0.90627	980605026
HN3	46 46.64' N	48 46.99'	757	1	Niskin	3.54	0.13753	980605021
HN3			757	25	Niskin	0.72	0.08879	980605022
HN3			757	50	Niskin	0.73	0.07536	980605023
HN3			757	72	Niskin	1.81	0.11425	980605024
HN3			733	79	CABLE	0.27	0.12328	980605025
HN3			729	79	Slurp	181.78	0.99383	980605020
HN4	46 47.72 '	48 47.00'	625	1	Niskin	0.92	0.13747	980606014
HN4			625	25	Niskin	0.93	0.10372	980606015
HN4			625	50	Niskin	0.57	0.02185	980606016
HN4			625	71	Niskin	0.63	0.09396	980606017
HN4			604	79	CABLE	0.85	0.09611	980606018
HN4			534	79	Slurp	3.27	0.36168	980606013
HN5	46 50.41' N	48 46.99'	947	1	Niskin	0.40	0.10991	980606023
HN5			947	25	Niskin	0.47	0.14276	980606022
HN5			947	50	Niskin	0.15	0.03029	980606021
HN5			947	68	Niskin	0.27	0.06531	980606020
HN5			1017	78	CABLE	1.45	0.16712	980606024
HN5			925	78	Slurp	3.56	0.85821	980606019
HN6	46 55.77' N	48 46.98'	1154	1	Niskin	0.29	0.04641	980606029
HN6			1154	25	Niskin	0.33	0.06681	980606028
HN6			1154	50	Niskin	0.40	0.11293	980606027
HN6			1154	75	Niskin	0.31	0.10854	980606026
HN6			1138	88	CABLE	0.92	0.08032	980606030
HN6			1114	89	Slurp	5.26	0.88932	980606025
HS0	46 44.71' N	48 46.93'	1411	1	Niskin	0.39	0.12081	980606035
HS0			1411	25	Niskin	0.56	0.12775	980606034
HS0			1411	50	Niskin	0.23	0.04266	980606033
HS0			1411	70	Niskin	0.61	0.17596	980606032
HS0			1432	75	CABLE	2.01	0.26163	980606036
HS0			1347	74	Slurp	9.07	0.88823	980606031
HS1	46 44.48' N	48 46.97'	1609	1	Niskin	0.66	0.13667	980606042
HS1			1609	25	Niskin	0.48	0.14190	980606041
HS1			1609	50	Niskin	0.29	0.04731	980606040
HS1			1609	70	Niskin	0.40	0.10018	980606039

Table 1. Listing of sample information for transect stations for mission 98-015.

STN	Latitude	Longitude	TIME(GMT)	DEPTH(m)	SAMPLER	SPM g m^{-3}	Inorg. PPM	ID NUMBER
HS1	46 44.48' N	48 46.97'	1550	78	CABLE	0.88	0.09340	980606038
HS1			1609	25	Niskin	0.48	0.14190	980606041
HS1			1609	50	Niskin	0.29	0.04731	980606040
HS1			1609	70	Niskin	0.40	0.10018	980606039
HS1			1550	78	CABLE	0.88	0.09340	980606038
HS1			1524	77	Slurp	5.37	0.58275	980606037
HS2	46 43.95' N	48 46.97'	1712	1	Niskin	0.53	0.13899	980606045
HS2			1712	25	Niskin	0.66	0.17508	980606046
HS2			1712	50	Niskin	0.76	0.04505	980606047
HS2			1712	72	Niskin	0.55	0.10994	980606048
HS2			1740	77	CABLE	1.21	0.08492	980606044
HS2			1649	77	Slurp	3.38	0.45953	980606043
HS3	46 43.42' N	48 46.98'	1927	1	Niskin	0.62	0.16076	980606050
HS3			1927	25	Niskin	0.64	0.13268	980606051
HS3			1927	50	Niskin	0.52	0.06316	980606052
HS3			1927	71	Niskin	0.54	0.08769	980606053
HS3			1908	78	CABLE	2.32	0.09957	980606054
HS3			1840	77	Slurp	4.90	0.78617	980606049
HS4	46 42.34' N	48 46.97'	2034	1	Niskin	0.36	0.14144	980606059
HS4			2034	25	Niskin	0.41	0.13955	980606058
HS4			2034	50	Niskin	0.29	0.07710	980606057
HS4			2034	70	Niskin	0.38	0.10040	980606056
HS4			2102	77	CABLE	1.21	0.05906	980606060
HS4			2015	77	Slurp	6.99	0.58120	980606055
HS5	46 39.65' N	48 46.98'	2248	1	Niskin	0.35	0.12954	980606065
HS5			2248	25	Niskin	0.43	0.15688	980606064
HS5			2248	50	Niskin	0.17	0.03281	980606063
HS5			2248	60	Niskin	0.17	0.04396	980606062
HS5			2231	65	CABLE	0.59	0.04416	980606066
HS5			2206	65	Slurp	3.91	0.68241	980606061
HS6	46 34.22' N	48 46.97'	8	1	Niskin	0.32	0.11373	980607005
HS6			8	25	Niskin	0.39	0.10418	980607004
HS6			8	50	Niskin	0.18	0.03310	980607003
HS6			8	62	Niskin	0.21	0.04326	980607002
HS6			33	68	CABLE	0.48	0.04192	980607006
HS6			2348	68	Slurp	2.41	0.57933	980607001
HW0	46 45.04' N	48 47.46'	2110	1	Niskin	0.46	0.11395	980605042
HW0			2110	25	Niskin	0.65	0.15963	980605041
HW0			2110	50	Niskin	0.42	0.06524	980605040
HW0			2110	69	Niskin	0.50	0.14111	980605039
HW0			2049	79	CABLE	1.46	0.12951	980605043
HW0			2015	79	Slurp	34.15	1.35158	980605038
HW1	46 45.00' N	48 47.76'	121	1	Niskin	0.43	0.17741	980606005
HW1			121	25	Niskin	0.38	0.14348	980606004
HW1			121	50	Niskin	0.16	0.05807	980606003
HW1			121	70	Niskin	0.32	0.08797	980606002
HW1			105	75	CABLE	0.32	0.05812	980606006
HW1			19	75	Slurp	3.52	0.68614	980606001
HW2	46 45.03' N	48 48.62'	406	1	Niskin	0.43	0.16762	980606008
HW2			406	25	Niskin	0.41	0.18646	980606009
HW2			406	50	Niskin	0.29	0.06691	980606010
HW2			406	72	Niskin	0.40	0.13640	980606011

Table 1. Listing of sample information for transect stations for Mission 98-015.

STN	Latitude	Longitude	TIME(GMT)	DEPTH(m)	SAMPLER	SPM g m^{-3}	Inorg. PPM	ID NUMBER
HW2			427	79	CABLE	0.97	0.06907	980606012
HW2			343	79	Slurp	4.62	0.93368	980606007
HW3	46 45.04' N	48 49.39'	659	1	Niskin	1.21	0.15628	980605015
HW3			659	25	Niskin	0.61	0.12207	980605016
HW3			659	50	Niskin	0.51	0.04553	980605017
HW3			659	74	Niskin	0.50	0.12328	980605018
HW3			633	77	CABLE	3.04	0.23414	980605019
HW3			608	79	Slurp	3.26	0.67171	980605014
HW4	46 45.05' N	48 50.91'	443	1	Niskin	0.79	0.14434	980605009
HW4			443	25	Niskin	0.63	0.13984	980605010
HW4			443	50	Niskin	0.45	0.04262	980605011
HW4			443	65	Niskin	0.78	0.20566	980605012
HW4			542	77	CABLE	5.04	0.13751	980605013
HW4			421	77	Slurp	5.11	0.58606	980605008
HW5	46 45.03' N	48 54.88'	249	1	Niskin	0.35	0.16567	980605004
HW5			249	25	Niskin	0.57	0.15597	980605005
HW5			249	50	Niskin	0.28	0.04956	980605006
HW5			249	67	Niskin	1.65	0.38315	980605007
HW5			226	71	CABLE	0.40	0.12843	980605003
HW5			154	71	Slurp	5.51	0.72457	980605002
HW6	46 45.03' N	49 02.79'	2341	1	Niskin	0.71	0.07511	980604004
HW6			2341	25	Niskin	0.75	0.65443	980604003
HW6			2341	65	Niskin	0.80	0.27270	980604002
HW6			0056	74	CABLE	1.42	0.16229	980605001
HW6			2314	74	Slurp	2.90	0.54513	980604001
HE0	46 44.70' N	48 46.53'	1913	1	Niskin	0.71	0.13401	980607052
HE0			1913	25	Niskin	0.70	0.12265	980607051
HE0			1913	50	Niskin	0.94	0.01958	980607050
HE0			1913	70	Niskin	0.73	0.05969	980607049
HE0			1900	78	CABLE	1.66	0.08208	980607053
HE0			1837	78	Slurp	601.69	1.62171	980607048
HE1	46 44.68' N	48 46.25'	1640	1	Niskin	7.75	0.17148	980607046
HE1			1640	25	Niskin	1.79	0.13491	980607045
HE1			1640	50	Niskin	1.40	0.04224	980607044
HE1			1640	70	Niskin	3.51	0.07534	980607043
HE1			1710	77	CABLE	0.45	0.06844	980607047
HE1			1619	77	Slurp	22.00	1.89188	980607042
HE2	46 44.22' N	48 45.30 '	1433	1	Niskin	0.24	0.15253	980607035
HE2			1433	25	Niskin	0.29	0.11095	980607034
HE2			1433	50	Niskin	0.19	0.03769	980607033
HE2			1433	71	Niskin	0.23	2.37648	980607032
HE2			1418	74	CABLE	1.15	0.07720	980607036
HE2			1356	75	Slurp	11.64	0.16174	980607031
HE3	46 45.03' N	48 44.60'	1117	1	Niskin	0.35	0.08799	980607029
HE3			1117	25	Niskin	0.29	0.09141	980607028
HE3			1117	50	Niskin	1.19	0.08730	980607027
HE3			1117	71	Niskin	0.30	0.08185	980607026
HE3			1145	78	CABLE	1.57	0.24608	980607030
HE3			1047	78	Slurp	17.69	1.59755	980607025
HE4	46 45.04' N	48 42.96'	846	1	Niskin	0.24	0.09823	980607023
HE4			846	25	Niskin	0.23	0.06010	980607022
HE4			846	50	Niskin	0.23	0.04616	980607021

Table 1. Listing of sample information for transect stations for Mission 98-015.

STN	Latitude	Longitude	TIME(GMT)	DEPTH(m)	SAMPLER	SPM g m^{-3}	Inorg. PPM	ID NUMBER
HE4	46 45.04' N	48 42.96'	846	70	Niskin	0.30	0.08244	980607020
HE4			913	82	CABLE	0.19	0.07407	980607024
HE4			820	82	Slurp	23.28	5.29506	980607019
HE5	46 45.05' N	48 39.04'	450	1	Niskin	0.33	0.06236	980607014
HE5			450	25	Niskin	0.59	0.11890	980607015
HE5			450	50	Niskin	0.17	0.02498	980607016
HE5			450	75	Niskin	0.40	0.10158	980607017
HE5			2600	91	CABLE	0.76	0.08451	980607018
HE5			429	91	Slurp	5.15	0.42336	980607013
HE6	46 45.03' N	48 31.14'	331	1	Niskin	0.22	0.03217	980607011
HE6			331	25	Niskin	0.29	0.04429	980607010
HE6			331	50	Niskin	0.17	0.01931	980607009
HE6			331	75	Niskin	0.15	0.08570	980607008
HE6			314	95	CABLE	0.79	0.09135	980607012
HE6			246	95	Slurp	4.17	0.90232	980607007

Table 2. Listing of sample information for Anchor stations for Mission 98-015.

STN	Latitude	Longitude	TIME(GMT)	DEPTH(m)	SAMPLER	SPM g m^{-3}	Inorg. PPM	ID NUMBER
HAS1.01	46 44.51' N	48 47.19'	2305	1	Niskin	0.51	0.10024	980607058
HAS1.01			2305	25	Niskin	0.33	0.08329	980607057
HAS1.01			2305	50	Niskin	1.32	0.03492	980607056
HAS1.01			2305	70	Niskin	0.43	0.05748	980607055
HAS1.01			2334	75	CABLE	2.38	0.12749	980607059
HAS1.01			2245	75	Slurp	7.52	1.00532	980607054
HAS1.01			2351	(0.35-0.50)	BOSS	1.77	1.09826	980607061
HAS1.01			2351	(0.05-0.25)	BOSS	6.63	1.93089	980607060
HAS1.02			138	1	Niskin	0.67	0.10486	980608010
HAS1.02			138	25	Niskin	2.40	0.08289	980608009
HAS1.02			138	50	Niskin	1.63	0.03673	980608008
HAS1.02			138	70	Niskin	2.03	0.06648	980608007
HAS1.02			122	75	CABLE	1.20	0.09896	980608011
HAS1.02			100	75	Slurp	6.68	1.18958	980608006
HAS1.02			211	(0.35-0.50)	BOSS	5.85	1.41098	980608013
HAS1.02			211	(0.05-0.25)	BOSS	17.42	2.30391	980608012
HAS1.03			319	1	Niskin	1.36	0.14232	980608024
HAS1.03			319	25	Niskin	3.89	0.08362	980608023
HAS1.03			319	50	Niskin	1.11	0.04072	980608022
HAS1.03			319	70	Niskin	0.40	0.06223	980608021
HAS1.03			341	79	CABLE	0.49	0.07805	980608020
HAS1.03			301	79	Slurp	3.67	0.67589	980608019
HAS1.04			637	(0.35-0.50)	BOSS	14.04	1.31054	980608041
HAS1.04			637	(0.05-0.25)	BOSS	9.55	1.81435	980608040
HAS1.04			546	1	Niskin	0.68	0.14614	980608031
HAS1.04			546	25	Niskin	0.73	0.06288	980608032
HAS1.04			546	50	Niskin	0.99	0.03897	980608033
HAS1.04			546	70	Niskin	0.65	0.06334	980608034
HAS1.04			529	78	CABLE	0.73	0.06052	980608042
HAS1.04			510	78	Slurp	258.42	0.76615	980608030
HAS1.05			727	1	Niskin	3.09	0.12798	980608044
HAS1.05			727	25	Niskin	0.82	0.11316	980608045
HAS1.05			727	50	Niskin	0.62	0.02779	980608046
HAS1.05			727	70	Niskin	0.49	0.05488	980608047
HAS1.05			751	79	CABLE	1.72	0.07695	980608048
HAS1.05			711	78	Slurp	10.99	0.87960	980608043
HAS1.05			809	(0.35-0.50)	BOSS	10.00	1.53933	980608055
HAS1.05			809	(0.05-0.25)	BOSS	8.59	1.74919	980608054
HAS1.06			936	1	Niskin	0.80	0.09855	980608060
HAS1.06			936	25	Niskin	0.63	0.06855	980608059
HAS1.06			936	50	Niskin	0.33	0.03082	980608058
HAS1.06			936	70	Niskin	0.43	0.06248	980608057
HAS1.06			923	79	CABLE	1.01	0.09157	980608061
HAS1.06			901	79	Slurp	5.13	0.91946	980608056
HAS1.06			1020	(0.35-0.50)	BOSS	5.00	2.07517	980608068
HAS1.06			1020	(0.05-0.25)	BOSS	5.67	2.56735	980608067
HAS1.07			1125	1	Niskin	1.60	0.10757	980608073
HAS1.07			1125	25	Niskin	0.52	0.08580	980608072
HAS1.07			1125	50	Niskin	1.14	0.04257	980608071
HAS1.07			1125	70	Niskin	0.61	0.06888	980608070
HAS1.07			1149	76	CABLE	0.41	0.08385	980608074
HAS1.07			1105	76	Slurp	4.88	0.95977	980608069

Table 2 Cont. Listing of sample information for Anchor stations for Mission 98-015.

STN	Latitude	Longitude	TIME(GMT)	DEPTH(m)	SAMPLER	SPM g m^{-3}	Inorg. PPM	ID NUMBER
HAS1.08	46 44.51' N	48 47.19'	1341	1	Niskin	0.73	0.09065	980608079
HAS1.08			1341	25	Niskin	1.08	0.10122	980608078
HAS1.08			1341	50	Niskin	0.32	0.05057	980608077
HAS1.08			1341	70	Niskin	0.83	0.07424	980608076
HAS1.08			1324	76	CABLE	0.27	0.08217	980608080
HAS1.08			1302	76	Slurp	74.23	0.62419	980608075
HAS1.08			1427	(0.35-0.50)	BOSS	2.12	0.36371	980608082
HAS1.08			1427	(0.05-0.25)	BOSS	61.98	2.07597	980608081
HAS1.09			1531	1	Niskin	2.31	0.08522	980608092
HAS1.09			1531	25	Niskin	1.09	0.07593	980608091
HAS1.09			1531	50	Niskin	0.66	0.05242	980608090
HAS1.09			1531	70	Niskin	0.98	0.09958	980608089
HAS1.09			1555	77	CABLE	0.60	0.10704	980608093
HAS1.09			1512	78	Slurp	4.61	0.89974	980608088
HAS1.09			1621	(0.35-0.50)	BOSS	18.60	0.71699	980608099
HAS1.09			1621	(0.05-0.25)	BOSS	287.17	19.27400	980608100
HAS1.10			1740	1	Niskin	2.91	0.11458	980608103
HAS1.10			1740	25	Niskin	0.97	0.09218	980608104
HAS1.10			1740	50	Niskin	0.70	0.02299	980608105
HAS1.10			1740	70	Niskin	0.52	0.07099	980608106
HAS1.10			1723	77	CABLE	1.37	0.07047	980608102
HAS1.10			1706	77	Slurp	15.79	0.71624	980608101
HAS1.10			1802	(0.35-0.50)	BOSS	5.11	1.52338	980608113
HAS1.10			1802	(0.05-0.25)	BOSS	57.10	15.04600	980608112
HAS1.11			1925	1	Niskin	1.95	0.10625	980608115
HAS1.11			1925	25	Niskin	1.53	0.09926	980608116
HAS1.11			1925	50	Niskin	0.55	0.02827	980608117
HAS1.11			1925	69	Niskin	0.83	0.06499	980608118
HAS1.11			1951	81	CABLE	0.82	0.07033	980608119
HAS1.11			1909	79	Slurp	580.09	1.23490	980608114
HAS1.11			2023	(0.35-0.50)	BOSS	9.60	0.97952	980608126
HAS1.11			2023	(0.05-0.25)	BOSS	746.06	158.98000	980608125
HAS1.12			2139	1	Niskin	0.38	0.09452	980608131
HAS1.12			2139	25	Niskin	0.69	0.10635	980608130
HAS1.12			2139	50	Niskin	0.27	0.02774	980608129
HAS1.12			2139	70	Niskin	0.34	0.06484	980608128
HAS1.12			2125	79	CABLE	3.29	0.08019	980608132
HAS1.12			2104	79	Slurp	4.61	1.12902	980608127
HAS1.12			2205	(0.35-0.50)	BOSS	2.20	1.72977	980608139
HAS1.12			2205	(0.05-0.25)	BOSS	450.66	100.45000	980608138
HAS1.13			2322	1	Niskin	1.58	0.11650	980608144
HAS1.13			2322	25	Niskin	0.78	0.10448	980608143
HAS1.13			2322	50	Niskin	0.31	0.04045	980608142
HAS1.13			2322	70	Niskin	0.78	0.06816	980608141
HAS1.13			2343	79	CABLE	0.50	0.06624	980608145
HAS1.13			2302	79	Slurp	7.62	1.55596	980608140

Table 3. Listing of sample information for Anchor stations for Mission 98-015.

STN	Latitude	Longitude	TIME(GMT)	DEPTH(m)	SAMPLER	SPM g m^{-3}	Inorg. PPM	ID NUMBER
HAS2.01	46 43.72' N	48 47.51'	1638	1	Niskin	2.86	0.10461	980609019
HAS2.01			1638	25	Niskin	0.35	0.07501	980609018
HAS2.01			1638	50	Niskin	0.44	0.04903	980609017
HAS2.01			1638	70	Niskin	0.44	0.05791	980609016
HAS2.01			1702	78	CABLE	1.89	0.09072	980609020
HAS2.01			1809	(0.35-0.50)	BOSS	9.24	1.38858	980609027
HAS2.01			1809	(0.05-0.25)	BOSS	274.82	69.22311	980609026
HAS2.02			1858	25	Niskin	0.78	0.10004	980609031
HAS2.02			1858	50	Niskin	0.62	0.03610	980609030
HAS2.02			1858	69	Niskin	0.45	0.04901	980609029
HAS2.02			1838	78	CABLE	0.67	0.06256	980609033
HAS2.02			1823	78	Slurp	6.21	0.70322	980609028
HAS2.02			1921	(0.35-0.50)	BOSS	6.54	0.66262	980609040
HAS2.02			1921	(0.05-0.25)	BOSS	125.17	45.81597	980609039
HAS2.03			2031	1	Niskin	2.96	0.10557	980609042
HAS2.03			2031	25	Niskin	0.77	0.09546	980609043
HAS2.03			2031	50	Niskin	1.04	0.03711	980609044
HAS2.03			2031	69	Niskin	0.35	0.05298	980609045
HAS2.03			2050	78	CABLE	1.27	0.07657	980609046
HAS2.03			2006	78	Slurp	10.61	1.26080	980609041
HAS2.03			2126	(0.35-0.50)	BOSS	2.33	1.31492	980609053
HAS2.03			2126	(0.05-0.25)	BOSS	4.16	1.15571	980609052
HAS2.04			2234	1	Niskin	4.41	0.08932	980609058
HAS2.04			2234	25	Niskin	0.74	0.08593	980609057
HAS2.04			2234	50	Niskin	0.64	0.04182	980609056
HAS2.04			2234	70	Niskin	1.10	0.07390	980609055
HAS2.04			2223	79	CABLE	1.53	0.08609	980609059
HAS2.04			2204	79	Slurp	4.27	0.88754	980609054
HAS2.04			2302	(0.35-0.50)	BOSS	5.13	2.44815	980609061
HAS2.04			2302	(0.05-0.25)	BOSS	15.63	1.66788	980609060
HAS2.05			33	1	Niskin	3.37	0.09993	980610005
HAS2.05			33	25	Niskin	0.62	0.08110	980610004
HAS2.05			33	50	Niskin	2.01	0.03431	980610003
HAS2.05			33	70	Niskin	0.39	0.04703	980610002
HAS2.05			57	79	CABLE	1.75	0.06399	980610006
HAS2.05			7	79	Slurp	3.57	0.62223	980610001
HAS2.05			118	(0.35-0.50)	BOSS	5.24	2.40570	980610008
HAS2.05			118	(0.05-0.25)	BOSS	5.87	0.91387	980610007
HAS2.06			240	25	Niskin	2.01	0.10038	980610018
HAS2.06			240	50	Niskin	1.89	0.02895	980610017
HAS2.06			240	70	Niskin	0.87	0.04892	980610016
HAS2.06			225	79	CABLE	0.73	0.06575	980610015
HAS2.06			204	79	Slurp	12.95	0.69557	980610014
HAS2.06			301	(0.35-0.50)	BOSS	8.94	1.39360	980610025
HAS2.06			301	(0.05-0.25)	BOSS	172.46	86.56020	980610024
HAS2.07			420	1	Niskin	1.68	0.13758	980610030
HAS2.07			420	25	Niskin	0.73	0.07729	980610029
HAS2.07			420	50	Niskin	0.54	0.03378	980610028
HAS2.07			420	70	Niskin	0.49	0.06362	980610027
HAS2.07			444	77	CABLE	1.12	0.10663	980610031
HAS2.07			404	78	Slurp	12.79	0.59936	980610026
HAS2.07			508	(0.35-0.50)	BOSS	13.74	0.89452	980610038

Table 3 Cont. Listing of sample information for Anchor stations for Mission 98-015.

STN	Latitude	Longitude	TIME(GMT)	DEPTH(m)	SAMPLER	SPM g m^{-3}	Inorg. PPM	ID NUMBER
HAS2.07	46 43.72' N	48 47.51'	508	(0.05-0.25)	BOSS	2323.43	1141.8500	980610037
HAS2.08			640	1	Niskin	0.86	0.11465	980610040
HAS2.08			640	25	Niskin	0.70	0.01611	980610041
HAS2.08			640	50	Niskin	1.68	0.04327	980610042
HAS2.08			640	68	Niskin	0.51	0.04782	980610043
HAS2.08			624	78	CABLE	0.94	0.06494	980610044
HAS2.08			606	77	Slurp	11.33	0.49620	980610039
HAS2.08			657	(0.35-0.50)	BOSS	4.26	0.45426	980610051
HAS2.08			657	(0.05-0.25)	BOSS	2.34	0.63662	980610050
HAS2.09			826	1	Niskin	0.73	0.08528	980610053
HAS2.09			826	25	Niskin	0.41	0.09376	980610054
HAS2.09			826	50	Niskin	1.30	0.00496	980610055
HAS2.09			826	68	Niskin	0.36	0.06196	980610056
HAS2.09			845	79	CABLE	0.58	0.07051	980610057
HAS2.09			805	78	Slurp	213.96	5.00000	980610052
HAS2.09			930	(0.35-0.50)	BOSS	3.34	1.25553	980610064
HAS2.09			930	(0.05-0.25)	BOSS	3.87	0.88677	980610063
HAS2.10			1039	1	Niskin	2.02	0.11284	980610069
HAS2.10			1039	25	Niskin	5.97	0.11189	980610068
HAS2.10			1039	50	Niskin	2.17	0.03697	980610067
HAS2.10			1039	68	Niskin	1.12	0.07449	980610066
HAS2.10			1026	79	CABLE	4.50	0.11997	980610070
HAS2.10			1009	79	Slurp	4.44	1.13867	980610065
HAS2.10			1104	(0.35-0.50)	BOSS	4.85	1.93857	980610072
HAS2.10			1104	(0.05-0.25)	BOSS	29.01	1.76641	980610071
HAS2.11			1226	1	Niskin	0.46	0.09524	980610082
HAS2.11			1226	25	Niskin	0.55	0.09300	980610081
HAS2.11			1226	50	Niskin	1.85	0.03282	980610080
HAS2.11			1226	70	Niskin	0.26	0.06177	980610079
HAS2.11			1246	78	CABLE	0.86	0.10300	980610083
HAS2.11			0	79	Slurp	3.29	1.26801	980610078
HAS2.11			1313	(0.35-0.50)	BOSS	439.50	103.94541	980610085
HAS2.11			1313	(0.05-0.25)	BOSS	8.54	0.51862	980610084
HAS2.12			1441	1	Niskin	0.74	0.12453	980610091
HAS2.12			1441	25	Niskin	7.57	0.11215	980610092
HAS2.12			1441	50	Niskin	0.98	0.00757	980610093
HAS2.12			1441	70	Niskin	0.42	0.06486	980610094
HAS2.12			1426	78	CABLE	1.12	0.08808	980610095
HAS2.12			1302	78	Slurp	10.07	2.73408	980610090
HAS2.12			1506	(0.35-0.50)	BOSS	12.18	1.15882	980610097
HAS2.12			1506	(0.05-0.25)	BOSS	12.60	0.90409	980610096

Table 4. Listing of sample information for Anchor stations for Mission 98-015.

STN	Latitude	Longitude	TIME(GMT)	DEPTH(m)	SAMPLER	SPM g m^{-3}	Inorg. PPM	ID NUMBER
HAS3.01	46 39.81' N	48 49.00'	2144	1	Niskin	11.77	0.11560	980610107
HAS3.01			2144	25	Niskin	1.16	0.14014	980610106
HAS3.01			2144	50	Niskin	0.27	0.03289	980610105
HAS3.01			2144	70	Niskin	0.22	0.04202	980610104
HAS3.01			2128	74	CABLE	0.15	0.11300	980610108
HAS3.01			2112	74	Slurp	2.55	0.43480	980610103
HAS3.01			2226	(0.35-0.50)	BOSS	3.34	1.63044	980610109
HAS3.01			2226	0.05-0.25	BOSS	14.56	2.47062	980610110
HAS3.02			2315	1	Niskin	2.17	0.11118	980610120
HAS3.02			2315	25	Niskin	1.15	0.12835	980610119
HAS3.02			2315	50	Niskin	0.31	0.04966	980610118
HAS3.02			2315	70	Niskin	0.75	0.05425	980610117
HAS3.02			2335	74	CABLE	0.44	0.04965	980610121
HAS3.02			2258	74	Slurp	3.91	0.50649	980610116
HAS3.02			16	0.35-0.50	BOSS	3.01	0.89590	980611002
HAS3.02			16	0.05-0.25	BOSS	7.41	1.00798	980611001
HAS3.03			132	1	Niskin	3.71	0.10238	980611012
HAS3.03			132	25	Niskin	1.04	0.11589	980611011
HAS3.03			132	50	Niskin	0.80	0.06095	980611010
HAS3.03			132	70	Niskin	0.87	0.04862	980611009
HAS3.03			119	74	CABLE	11.45	0.12813	980611013
HAS3.03			106	74	Slurp	13.31	0.10710	980611008
HAS3.03			155	0.35-0.50	BOSS	5.47	0.63500	980611015
HAS3.03			155	0.05-0.25	BOSS	3855.65	63.38228	980611014
HAS3.04			328	1	Niskin	3.07	0.10710	980611025
HAS3.04			328	25	Niskin	0.60	0.04465	980611024
HAS3.04			328	50	Niskin	0.25	0.11841	980611023
HAS3.04			328	70	Niskin	0.36	0.05344	980611022
HAS3.04			351	72	CABLE		0.05286	980611026
HAS3.04			308	72	Slurp	13.81	0.42698	980611021
HAS3.04			406	0.35-0.50	BOSS	40.20	2.19495	980611033
HAS3.04			406	0.05-0.25	BOSS	10.43	0.85268	980611032
HAS3.05			542	1	Niskin	1.02	0.09503	980611035
HAS3.05			542	25	Niskin	1.33	0.13013	980611036
HAS3.05			542	50	Niskin	0.69	0.05047	980611037
HAS3.05			542	70	Niskin	0.63	0.04678	980611038
HAS3.05			523	72	CABLE	1.47	0.06258	980611039
HAS3.05			508	73	Slurp	3.81	0.34049	980611034
HAS3.05			611	0.35-0.50	BOSS	4.00	0.36718	980611046
HAS3.05			611	0.05-0.25	BOSS	5.94	0.60236	980611045
HAS3.06			722	1	Niskin	0.77	0.10321	980611048
HAS3.06			722	25	Niskin	0.71	0.12662	980611049
HAS3.06			722	50	Niskin	0.68	0.05159	980611050
HAS3.06			722	70	Niskin	0.61	0.04737	980611051
HAS3.06			744	72	CABLE	0.99	0.05000	980611052
HAS3.06			640	72	Slurp	2.77	0.40508	980611047
HAS3.06			758	0.35-0.50	BOSS	3.60	0.32025	980611059
HAS3.06			758	0.05-0.25	BOSS	8.65	0.61045	980611058
HAS3.07			940	1	Niskin	0.65	0.11264	980611064
HAS3.07			940	25	Niskin	0.47	0.11183	980611063
HAS3.07			940	50	Niskin	0.25	0.05741	980611062
HAS3.07			940	70	Niskin	0.36	0.05464	980611061

Table 4 Cont. Listing of sample information for Anchor stations for Mission 98-015.

STN	Latitude	Longitude	TIME(GMT)	DEPTH(m)	SAMPLER	SPM g m^{-3}	Inorg. PPM	ID NUMBER
HAS3.07	46 39.81' N	48 49.00'	927	73	CABLE	0.66	0.05243	980611065
HAS3.07			904	73	Slurp	2.21	0.34803	980611060
HAS3.07			1009	0.35-0.50	BOSS	4.81	1.29599	980611072
HAS3.07			1009	0.05-0.25	BOSS	7.26	1.29302	980611071

Table 5. Listing of sample information for transect stations from Mission 99-012.

STN	Latitude	Longitude	TIME(GMT)	DEPTH(m)	SAMPLER	SPM g m^{-3}	Inorg. PPM	ID NUMBER
HN0	46 45.39 N	48 47.00 W	13:00	1	niskin	0.65	0.00384	990526078
HN0			13:00	25	niskin	0.41	0.01328	990526079
HN0			13:00	50	niskin	0.38	0.03838	990526080
HN0			13:00	75	niskin	0.48	0.08761	990526081
HN0			11:30	82	CABLE	4.96	0.14689	990526082
HN0			13:33	82	Slurp	51.49	0.74269	990526084
HN1	46 45.57 N	48 47.00 W	10:46	1	niskin	0.60	0.00365	990526070
HN1			10:46	25	niskin	0.61	0.00618	990526071
HN1			10:46	50	niskin	0.37	0.00467	990526072
HN1			10:27	84	CABLE	9.96	0.14317	990526074
HN1			9:59	84	Slurp	80.86	0.16321	990526076
HN2	46 46.11 N	48 46.98 W	8:48	1	niskin	0.32	0.01868	990526059
HN2			8:48	25	niskin	0.38	0.00834	990526060
HN2			8:48	50	niskin	0.21	0.02949	990526061
HN2			8:48	75	niskin	0.30	0.03135	990526062
HN2			9:21	83	CABLE	0.73	0.03751	990526064
HN2			8:28	83	Slurp	5.14	0.58266	990526065
HN3	46 46.00 N	48 47.00 W	8:02	1	niskin	0.78	0.01351	990526052
HN3			8:02	25	niskin	0.53	0.01110	990526053
HN3			8:02	50	niskin	0.29	0.01505	990526054
HN3			8:02	75	niskin	0.28	0.02424	990526055
HN3			7:45	80	CABLE	2.17	0.09343	990526057
HN4	46 47.72 N	48 46.94 W	6:29	1	niskin	1.24	0.01581	990526045
HN4			6:29	50	niskin	0.38	0.01945	990526047
HN4			6:29	75	niskin	0.41	0.09009	990526048
HN4			6:52	82	CABLE	0.52	0.18701	990526049
HN4			6:09	82	Slurp	5.80	1.70612	990526051
HN5	46 50.41 N	48 46.97 W	5:31	0	niskin	0.41	0.01990	990526038
HN5			5:31	25	niskin	0.76	0.01270	990526039
HN5			5:31	50	niskin	0.30	0.03149	990526040
HN5			5:31	75	niskin	0.32	0.08097	990526041
HN5			5:16	86	CABLE	0.44	0.14191	990526044
HN5			4:53	86	slurp	0.70	0.09321	990526043
HN6	46 55.77 N	48 46.91 W	3:49	0	niskin	1.51	0.01558	990525032
HN6			3:49	25	niskin	0.13	0.01512	990525033
HN6			3:49	50	niskin	0.17	0.02609	990525034
HN6			3:49	75	niskin	0.20	0.05711	990525035
HN6			4:15	89	CABLE	1.00	0.22402	990526036
HN6			3:17	89	Slurp	7.77	0.74771	990525031
HS0	46 44.49 N	48 46.96 W	17:07	0	niskin	0.32	0.00623	990527166
HS0			17:07	25	niskin	0.62	0.01028	990527167
HS0			17:07	50	niskin	0.42	0.01848	990527168
HS0			17:07	75	niskin	0.29	0.06095	990527169
HS0			17:30	80	CABLE	0.59	0.07826	990527171
HS0			16:50	80	Slurp	3.76	0.61886	990527165
HS1	46 44.49 N	48 46.98 W	16:21	0	niskin	0.35	0.02012	990527160
HS1			16:21	25	niskin	0.30	0.00713	990527161
HS1			16:21	50	niskin	0.33	0.00516	990527162
HS1			16:21	75	niskin	0.29	0.04298	990527163
HS1			16:04	80	CABLE	0.52	0.03886	990527159
HS1			15:44	80	Slurp	2.10	0.04370	990527164
HS2	46 43.97 N	48 46.98 W	14:52	0	niskin	0.35	0.01843	990527154

Table 5 Cont. Listing of sample information for transect stations, Mission 99-012.

STN	Latitude	Longitude	TIME(GMT)	DEPTH(m)	SAMPLER	SPM g m^{-3}	Inorg. PPM	ID NUMBER
HS2	46 43.97 N	48 46.98 W	14:52	25	niskin	0.30	0.00524	990527155
HS2			14:52	50	niskin	0.31	0.01800	990527156
HS2			14:52	75	niskin	0.36	0.06137	990527157
HS2			15:16	80	CABLE	1.02	0.08207	990527152
HS3	46 43.42 N	48 46.98 W	14:01	0	niskin	0.31	0.01855	990527146
HS3			14:01	25	niskin	0.33	0.01294	990527147
HS3			14:01	50	niskin	0.22	0.02312	990527148
HS3			14:01	70	niskin	0.35	0.09167	990527149
HS3			13:41	80	CABLE	0.42	0.11432	990527150
HS4	46 42.34 N	48 46.98 W	12:27	0	niskin	0.38	0.01836	990527140
HS4			12:27	25	niskin	0.33	0.02167	990527141
HS4			12:27	50	niskin	0.31	0.01752	990527142
HS4			12:27	75	niskin	0.29	0.06719	990527143
HS4			12:54	76	CABLE	0.35	0.08157	990527144
HS5	46 39.65 N	48 46.98 W	10:44	0	niskin	0.20	0.01489	990527132
HS5			10:44	25	niskin	0.62	0.01385	990527133
HS5			10:44	50	niskin	0.51	0.02529	990527134
HS5			10:44	75	niskin	0.38	0.09058	990526135
HS5			10:22	76	CABLE	0.57	0.09669	990526136
HS6	46 34.21 N	48 46.98 W	8:38	0	niskin	0.44	0.00997	990527126
HS6			8:38	25	niskin	0.27	0.00936	990527127
HS6			8:38	50	niskin	0.18	0.01077	990527128
HS6			8:38	75	niskin	0.06	0.02423	990527129
HS6			9:04	75	CABLE	0.70	0.05513	990527131
HW0	46 45.03 N	48 47.44 W	15:00	0	niskin	0.29	0.00434	990526087
HW0			15:00	25	niskin	3.83	0.00690	990526088
HW0			15:00	50	niskin	1.33	0.04302	990526099
HW0			15:00	75	niskin	0.61	0.08864	990526100
HW0			14:49	82	CABLE	1.14	0.08619	990526085
HW1	46 45.03 N	48 47.76 W	15:47	0	niskin	0.31	0.00625	990526103
HW1			15:47	25	niskin	0.27	0.02211	990526104
HW1			15:47	50	niskin	0.19	0.04152	990526105
HW1			16:11	82	CABLE	9.62	0.13240	990526101
HW2	46 45.03 N	48 48.56 W	1:23	0	niskin	0.28	0.01540	990525027
HW2			1:23	25	niskin	0.21	0.01649	990525028
HW2			1:23	50	niskin	0.36	0.03261	990525029
HW2			1:23	75	niskin	0.34	0.05761	990525030
HW2			23:01	80	CABLE	1.46	0.09552	990525025
HW2			22:46	80	Slurp	136.35	0.77010	990525024
HW3	46 45.03 N	48 49.35 W	21:26	50	niskin	0.60	0.03502	990525021
HW3			21:26	75	niskin	0.26	0.09734	990525022
HE4	46 45.03 N	48 43.02 W	6:56	0	niskin	0.40	0.00903	990527119
HE4			6:56	25	niskin	0.65	0.01027	990527120
HE4			6:56	50	niskin	0.22	0.01059	990527121
HE4			6:56	75	niskin	0.37	0.05721	990527122
HE4					CABLE			990527123
HE5	46 45.03 N	48 39.07 W	5:21	0	niskin	0.32	0.01407	990527113
HE5			5:21	25	niskin	0.40	0.01329	990527114
HE5			5:21	50	niskin	0.20	0.01244	990527115
HE5			5:21	75	niskin	0.47	0.04191	990527116
HE5			5:46	94	CABLE	1.76	0.07090	990527117
HE6	46 45.03 N	48 31.15 W	4:07	0	niskin	0.25	0.02763	990527108

Table 5 Cont. Listing of sample information for transect stations, Mission 99-012.

STN	Latitude	Longitude	TIME(GMT)	DEPTH(m)	SAMPLER	SPM g m^{-3}	Inorg. PPM	ID NUMBER
HE6	46 45.03 N	48 31.15 W	4:07	25	niskin	0.58	0.01011	990527109
HE6			4:07	50	niskin	0.25	0.01493	990527110
HE6			4:07	75	niskin	0.14	0.03927	990527111
HE6			3:51	102	CABLE	0.63	0.17111	990527107

Table 6. Listing of sample information for transect stations, Mission 2000-020.

STN	Latitude	Longitude	TIME(GMT)	DEPTH(m)	SAMPLER	SPM g m^{-3}	Inorg. PPM	ID NUMBER
HN0	46 45.39 N	48 47.00 W	19:29	1	niskin	0.37	0.01413	000617037
HN0			19:29	25	niskin	0.67	0.00905	000617038
HN0			19:29	75	niskin	0.32	0.04069	000617039
HN0			19:50	84	Slurp	2.17	0.12995	000617040
HN0			19:08	84	CABLE	0.58	0.04988	000617041
HN1	46 45.57 N	48 47.00 W	20:49	1	niskin	0.31	----	000617044
HN1			20:49	25	niskin	0.36	0.00447	000617045
HN1			20:49	50	niskin	1.09	0.01694	000617046
HN1			20:49	75	niskin	0.49	0.04434	000617047
HN1			20:13	84	Slurp	2.77	6.16937	000617042
HN1			20:34	84	CABLE	0.38	0.03891	000617043
HN2	46 46.11 N	48 46.98 W	7:39	1	niskin	0.31	0.00667	000617026
HN2			7:39	25	niskin	1.01	0.00432	000617027
HN2			7:39	50	niskin	0.97	0.01221	000617028
HN2			7:39	75	niskin	0.63	0.03044	000617029
HN2			8:02	78	Slurp	2.77	0.32405	000617025
HN2			6:58	78	CABLE	0.52	0.03898	000617030
HN3	46 46.00 N	48 47.00 W	9:09	1	niskin	0.31	0.00797	000617036
HN3			9:09	25	niskin	0.59	0.00983	000617035
HN3			9:09	50	niskin	0.93	0.01586	000617034
HN3			9:09	75	niskin	0.32	0.02848	000617033
HN3			8:27	77	Slurp	2.49	0.24327	000617031
HN3			8:48	77	CABLE	0.68	0.03288	000617032
HN4	46 47.72 N	48 46.94 W	22:14	1	niskin	0.32	0.01186	000617049
HN4			22:14	25	niskin	0.66	0.01857	000617050
HN4			22:14	50	niskin	0.39	0.00372	000617051
HN4			22:14	75	niskin	0.46	0.01525	000617052
HN4			22:28	84	CABLE	0.75	0.03576	000617048
HN5	46 50.41 N	48 46.97 W	23:47	1	niskin	0.47	0.00958	000617054
HN5			23:47	25	niskin	0.49	0.00555	000617055
HN5			23:47	50	niskin	0.37	0.02130	000617056
HN5			23:47	75	niskin	0.40	0.02966	000617057
HN5			23:07	88	Slurp	19.21	0.20533	000617053
HN5			23:32	88	CABLE	3.54	0.01945	000617058
HN6	46 55.77 N	48 46.91 W	1:42	1	niskin	0.23	0.00322	000618003
HN6			1:42	25	niskin	0.49	0.00621	000618004
HN6			1:42	50	niskin	1.07	0.00852	000618005
HN6			1:42	75	niskin	0.30	0.03753	000618006
HN6			1:28	91	Slurp	2.21	0.13487	000618001
HN6			1:01	91	CABLE	0.83	0.06911	000618002
HS0	46 44.49 N	48 46.96 W	17:12	1	niskin	0.54	0.01406	000619099
HS0			17:12	25	niskin	0.11	0.01159	000619101
HS0			17:12	50	niskin	0.56	0.02147	000619102
HS0			17:12	75	niskin	0.18	0.01392	000619103
HS0			17:34	84	CABLE	0.63	0.02536	000619104
HS1	46 44.49 N	48 46.98 W	18:32	0	niskin	0.33	0.01081	000619108
HS1			18:32	25	niskin	0.28	0.01223	000619109
HS1			18:32	50	niskin	0.48	0.00633	000619110
HS1			18:32	75	niskin	0.48	0.02875	000619111
HS1			17:56	82	Slurp	62.89	0.77142	000619105
HS1			18:16	82	CABLE	1.41	0.02811	000619106
HS2	46 43.97 N	48 46.98 W	10:44	1	niskin	0.40	0.01017	000618035

Table 6 Cont. Listing of sample information for transect stations, mission 2000-020.

STN	Latitude	Longitude	TIME(GMT)	DEPTH(m)	SAMPLER	SPM g m^{-3}	Inorg. PPM	ID NUMBER
HS2	46 43.97 N	48 46.98 W	10:44	25	niskin	1.00	0.00973	000618032
HS2			10:44	50	niskin	0.02	0.00980	000618033
HS2			10:44	75	niskin	0.46	0.03587	000618034
HS2			10:22	81	Slurp	1.49	0.08610	000618031
HS2			11:00	81	CABLE	0.38	0.01477	000618036
HS3	46 43.42 N	48 46.98 W	9:49	1	niskin	0.26	0.00892	000618027
HS3			9:49	25	niskin	0.39	0.00825	000618028
HS3			9:49	50	niskin	0.68	0.00519	000618029
HS3			9:49	75	niskin	0.32	0.03438	000618030
HS3			9:05	82	Slurp	1.25	0.17784	000618025
HS3			9:33	82	CABLE	0.33	0.04254	000618026
HS4	46 42.34 N	48 46.98 W	7:54	1	niskin	0.21	0.00389	000618021
HS4			7:54	25	niskin	0.20	0.00322	000618022
HS4			7:54	50	niskin	0.35	0.00658	000618023
HS4			7:54	75	niskin	0.22	0.00555	000618024
HS4			7:30	77	Slurp	7.82	0.88960	000618013
HS4			8.22	77	CABLE	0.42	0.00764	000618020
HS5	46 39.65 N	48 46.98 W	6:49	1	niskin	0.28	0.00280	000618018
HS5			6:49	25	niskin	0.27	0.01207	000618017
HS5			6:49	50	niskin	0.25	0.00369	000618016
HS5			6:49	71	niskin	0.32	0.00012	000618015
HS5			5:59	77	Slurp	4.24	0.14555	000618013
HS5			6:33	77	CABLE	0.13	0.01174	000618014
HS6	46 34.21 N	48 46.98 W	4:38	1	niskin	0.31	0.00213	000618009
HS6			4:38	25	niskin	0.46	0.01505	000618010
HS6			4:38	50	niskin	0.29	0.03060	000618011
HS6			4:38	66	niskin	0.16	0.02081	000618012
HS6			4:16	76	Slurp	25.56	0.21943	000618007
HS6			5:05	76	CABLE	0.67	0.02574	000618008
HW0	46 45.03 N	48 47.44 W	19:22	1	niskin	0.54	0.00871	000619113
HW0			19:22	25	niskin	0.28	0.01160	000619114
HW0			19:22	50	niskin	0.47	0.00358	000619115
HW0			19:22	77	niskin	0.43	0.03337	000619116
HW0			19:48	83	CABLE	4.77	0.05258	000619117
HW1	46 45.03 N	48 47.76 W	20:42	1	niskin	0.29	0.00831	000619122
HW1			20:42	25	niskin	0.27	0.01222	000619123
HW1			20:42	50	niskin	0.73	0.01202	000619124
HW1			20:42	75	niskin	0.79	0.02925	000619125
HW1			20:26	82	Slurp	74.73	0.60103	000619120
HW1			20:07	82	CABLE	0.83	0.04495	000619121
HW2	46 45.03 N	48 48.56 W	21:37	1	niskin	0.25	0.00671	000617020
HW2			21:37	25	niskin	0.51	0.00905	000617021
HW2			21:37	75	niskin	1.02	0.02829	000617022
HW2			21:52	82	CABLE	1.14	0.03929	000617023
HW3	46 45.03 N	48 49.35 W	5:11	1	niskin	0.54	0.00879	000617019
HW3			5:11	25	niskin	0.62	0.00545	000619128
HW3			5:11	50	niskin	0.47	0.02251	000619129
HW3			5:11	71	niskin	0.70	0.03476	000619130
HW3			5:35	77	Slurp	2.22	0.24970	000619126
HW3			5:57	77	CABLE	0.67	0.04506	000619127
HW4	46 45.03 N	48 50.93 W	4:32	1	niskin	0.71	0.00557	000617013
HW4			4:32	25	niskin	0.76	0.00717	000617014

Table 6 Cont. Listing of sample information for transect stations, mission 2000-020.

STN	Latitude	Longitude	TIME(GMT)	DEPTH(m)	SAMPLER	SPM g m^{-3}	Inorg. PPM	ID NUMBER
HW4	46 45.03 N	48 50.93 W	4:32	50	niskin	0.45	0.00925	000617015
HW4			4:32	66	niskin	0.51	0.01032	000617016
HW4			4:05	75	Slurp	2.69	----	000617018
HW4			4:57	75	CABLE	0.67	----	000617017
HW5	46 45.03 N	48 54.88 W	3:15	1	niskin	1.14	0.01327	000617007
HW5			3:15	25	niskin	1.96	0.03677	000617008
HW5			3:15	50	niskin	0.43	0.01940	000617009
HW5			3:15	66	niskin	0.37	0.02079	000617010
HW5			2:34	75	Slurp	2.66	0.03279	000617012
HW5			3:00	75	CABLE	0.59	0.03233	000617011
HW6	46 45.03 N	49 2.80 W	00:33	1	niskin	0.61	0.03764	000617001
HW6			00:33	25	niskin	0.39	0.02247	000617002
HW6			00:33	50	niskin	0.27	0.02635	000617003
HW6			00:33	68	niskin	0.33	0.03634	000617004
HW6			00:04	82	Slurp	1.41	0.24543	000617005
HW6			1:05	82	CABLE	0.36	0.04457	000617006
HE3	46 45.03 N	48 44.60 W	5:38	1	niskin	0.41	0.00314	000621025
HE3			5:38	25	niskin	0.42	0.00981	000621026
HE3			5:38	50	niskin	0.45	0.01249	000621027
HE3			5:38	75	niskin	0.35	0.02866	000621028
HE3			5:17	85	Slurp	7.41	0.20375	000621024
HE3			6:06	85	CABLE	1.00	0.04233	000621029
HE4	46 45.03 N	48 43.02 W	4:38	1	niskin	0.65	0.01047	000621020
HE4			4:38	25	niskin	0.33	0.00742	000621021
HE4			4:38	50	niskin	0.74	0.01249	000621022
HE4			4:38	71	niskin	0.44	0.00759	000621023
HE4			4:01	86	Slurp	1.92	0.29408	000621018
HE4			4:24	86	CABLE	0.41	0.01262	000621019
HE5	46 45.03 N	48 39.07 W	2:56	1	niskin	1.04	0.00994	000621013
HE5			2:56	25	niskin	1.32	0.33774	000621014
HE5			2:56	50	niskin	1.69	0.02030	000621015
HE5			2:56	85	niskin	2.22	0.45757	000621016
HE5			2:34	95	Slurp	1.15	0.03100	000621012
HE5			3:23	95	CABLE	0.91	0.09255	000621017
HE6	46 45.03 N	48 31.15 W	1:42	25	niskin	0.19	0.01028	000621009
HE6			1:42	50	niskin	0.61	0.01860	000621010
HE6			1:42	93	niskin	1.60	0.06402	000621011
HE6			1:04	104	Slurp	2.39	0.13758	000621001
HE6			1:27	104	CABLE	0.23	0.07577	000621008
8-500	46 45.25 N	48 47.21 W	22:51	1	niskin	0.51	0.04091	000615004
8-500			22:51	25	niskin	2.49	0.04771	000615003
8-500			22:51	72	niskin	0.59	0.08368	000615002
8-500			23:26	84	CABLE	0.55	0.04294	000615005
8-1000	46 45.39 N	48 47.54 W	00:45	1	niskin	0.38	0.01068	000616003
8-1000			00:45	25	niskin	0.79	0.07927	000616002
8-1000			00:45	50	niskin	0.47	0.03125	000616004
8-1000			00:45	74	niskin	0.27	0.03524	000616005
8-1000			00:28	84	CABLE	0.62	0.02438	000616001
8-1500	46 45.58 N	48 47.84 W	1:47	1	niskin	0.26	0.00882	000616006
8-1500			1:47	25	niskin	0.47	0.00799	000616007
8-1500			1:47	50	niskin	0.47	0.02754	000616008
8-1500			1:47	73	niskin	0.16	0.02177	000616009

Table 6 Cont. Listing of sample information for transect stations, mission 2000-020.

STN	Latitude	Longitude	TIME(GMT)	DEPTH(m)	SAMPLER	SPM g m^{-3}	Inorg. PPM	ID NUMBER
8-1500	46 45.58 N	48 47.84 W	2:09	84	CABLE	2.63	0.07934	000616010
8-2500	46 45.96 N	48 48.39 W	4:22	1	niskin	0.22	0.00136	000616012
8-2500			4:22	25	niskin	0.41	0.00448	000616013
8-2500			4:22	50	niskin	0.27	0.00410	000616014
8-2500			4:09	77	CABLE	0.63	0.01231	000616011
8-4000	46 46.53 N	48 49.24 W	5:33	1	niskin	0.63	0.04919	000616019
8-4000			5:33	25	niskin	0.77	0.00312	000616018
8-4000			5:33	50	niskin	2.10	0.04295	000616017
8-4000			5:33	70	niskin	0.49	0.00324	000616016
8-4000			5:54	77	CABLE	2.68	0.02242	000616020
8-6000	46 47.31 N	48 50.27 W	7:23	1	niskin	0.60	0.01672	000616023
8-6000			7:23	25	niskin	0.77	0.01696	000616024
8-6000			7:23	50	niskin	0.57	0.03026	000616026
8-6000			7:10	77	CABLE	1.33	0.03939	000616022

Table 7. Listing of sample information for Anchor stations from mission 2000-020.

STN	Latitude	Longitude	TIME(GMT)	DEPTH(m)	SAMPLER	SPM g m^{-3}	Inorg. PPM	ID NUMBER
HAS01-01	46 44.49N	48 47.19W	23:38	1	niskin	0.68	0.00965	000619141
HAS01-01			23:38	25	niskin	0.77	0.01627	000619142
HAS01-01			23:38	50	niskin	0.59	0.00448	000619143
HAS01-01			23:38	75	niskin	0.52	0.04102	000619144
HAS01-01			23:13	83	CABLE	0.77	0.03766	000619134
HAS01-01			22:54	(-0.05-0.25)	Boss (5-25)	0.44	0.05682	000619132
HAS01-01			22:54	(-0.35-0.50)	Boss (35-50)	0.28	0.05680	000619133
HAS01-01			22:37	83	Slurp	3.93	0.60617	000619131
HAS01-02			1:15	1	niskin	0.42	0.00320	000620007
HAS01-02			1:15	25	niskin	0.31	0.00392	000620006
HAS01-02			1:15	50	niskin	1.07	0.00964	000620005
HAS01-02			1:15	75	niskin	0.53	0.04276	000620004
HAS01-02			1:52	83	CABLE	0.54	0.04166	000620012
HAS01-02			00:57	(-0.35-0.50)	Boss (35-50)	31.37	0.21469	000620003
HAS01-02			00:40	83	Slurp	55.38	0.57068	000620001
HAS01-03			3:49	1	niskin	0.15	0.00448	000620022
HAS01-03			3:49	25	niskin	0.16	0.00870	000620023
HAS01-03			3:49	50	niskin	0.71	0.01235	000620024
HAS01-03			3:49	75	niskin	0.17	0.03852	000620025
HAS01-03			3:32	83	CABLE	0.22	0.01816	000620021
HAS01-03			3:02	(-0.05-0.25)	Boss (5-25)	2.13	0.58426	000620014
HAS01-03			3:02	(-0.35-0.50)	Boss (35-50)	0.91	0.25411	000620015
HAS01-03			2:39	83	Slurp	52.24	0.26717	000620013
HAS01-04			5:26	1	niskin	0.09	0.00876	000620029
HAS01-04			5:26	25	niskin	0.13	0.00531	000620030
HAS01-04			5:26	50	niskin	0.22	0.01091	000620031
HAS01-04			5:26	75	niskin	0.41	0.05910	000620032
HAS01-04			5:52	83	CABLE	1.95	0.07586	000620033
HAS01-04			5:06	(-0.05-0.25)	Boss (5-25)	4.26	0.66397	000620027
HAS01-04			5:06	(-0.35-0.50)	Boss(35-50)	9.79	0.14273	000620028
HAS01-04			4:46	83	Slurp	0.41	0.26770	000620026
HAS01-05			8:03	1	niskin	0.52	0.00495	000620048
HAS01-05			8:03	25	niskin	1.50	0.00890	000620049
HAS01-05			8:03	50	niskin	0.66	0.03044	000620050
HAS01-05			8:03	75	niskin	0.94	0.08103	000620051
HAS01-05			7:50	83	CABLE	4.12	0.06959	000620047
HAS01-05			6:54	(-0.05-0.25)	Boss (5-25)	5.31	0.67223	000620040
HAS01-05			6:54	(-0.35-0.50)	Boss (35-50)	5.56	0.72192	000620041
HAS01-05			6:38	83	Slurp	9.20	0.40046	000620039
HAS01-06			9:18	1	niskin	1.10	0.01191	000620055
HAS01-06			9:18	25	niskin	0.19	0.00729	000620056
HAS01-06			9:18	50	niskin	0.51	0.01610	000620057
HAS01-06			9:18	75	niskin	0.56	0.07369	000620058
HAS01-06			9:24	83	CABLE	1.83	0.10370	000620059
HAS01-06			8:53	(-0.05-0.25)	Boss (5-25)	17.24	0.81739	000620053
HAS01-06			8:53	(-0.35-0.50)	Boss (35-50)	4.21	0.41654	000620054
HAS01-06			8:37	83	Slurp	3.24	0.34981	000620052
HAS01-07			11:24	83	CABLE	0.74	0.13027	000620073
HAS01-07			----	(-0.05-0.25)	Boss (5-25)	5.39	0.26690	000620066
HAS01-07			----	(-0.35-0.50)	Boss (35-50)	3.43	0.23290	000620067
HAS01-07			10:37	83	Slurp	1.55	0.27361	000620065
HAS01-08			13:44	25	niskin	0.83	0.00722	000620083
HAS01-08			13:44	50	niskin	2.08	----	000620084

Table 7 Cont. Listing of sample information for Anchor station HAS01 from mission 2000-020.

STN	Latitude	Longitude	TIME(GMT)	DEPTH(m)	SAMPLER	SPM g m^{-3}	Inorg. PPM	ID NUMBER
HAS01-08	46 44.49N	48 47.19W	13:44	75	niskin	0.57	0.03010	000620085
HAS01-08			13:20	83	CABLE	0.32	0.05009	000620077
HAS01-08			12:52	(-0.05-0.25)	Boss (5-25)	1.98	0.26481	000620075
HAS01-08			12:52	(-0.35-0.50)	Boss (35-50)	1.07	0.29090	000620076
HAS01-08			12:37	83	Slurp	8.92	1.24296	000620074
HAS01-09			15:14	1	niskin	0.33	0.00909	000620089
HAS01-09			15:14	25	niskin	0.40	0.00382	000620090
HAS01-09			15:14	50	niskin	0.47	0.01977	000620091
HAS01-09			15:14	75	niskin	0.17	0.03684	000620092
HAS01-09			15:49	83	CABLE	0.25	0.04803	000620098
HAS01-09			14:57	(-0.05-0.25)	Boss (5-25)	5.79	0.40460	000620087
HAS01-09			14:57	(-0.35-0.50)	Boss (35-50)	4.91	0.28494	000620088
HAS01-09			14:39	83	Slurp	2.84	0.46659	000620086
HAS01-10			17:45	1	niskin	0.66	0.01734	000620109
HAS01-10			17:45	25	niskin	0.96	0.02051	000620110
HAS01-10			17:45	50	niskin	3.35	0.01820	000620111
HAS01-10			17:45	75	niskin	0.64	0.04616	000620112
HAS01-10			17:14	83	CABLE	2.02	0.02681	000620102
HAS01-10			16:54	(-0.05-0.25)	Boss (5-25)	27.00	0.61448	000620100
HAS01-10			16:54	(-0.35-0.50)	Boss (35-50)	8.46	0.21940	000620101
HAS01-10			16:37	83	Slurp	29.78	0.33551	000620099
HAS01-11			19:16	1	niskin	0.32	0.00954	000620116
HAS01-11			19:16	25	niskin	0.26	0.01291	000620117
HAS01-11			19:16	50	niskin	0.96	0.02657	000620118
HAS01-11			19:16	75	niskin	1.07	0.04704	000620119
HAS01-11			19:54	83	CABLE	0.46	0.02113	000620125
HAS01-11			18:59	(-0.05-0.25)	Boss (5-25)	9.64	0.31122	000620114
HAS01-11			18:59	(-0.35-0.50)	Boss (35-50)	29.41	0.13896	000620115
HAS01-11			18:38	83	Slurp	10.23	0.35243	000620113
HAS01-12			21:34	1	niskin	0.27	0.02382	000620138
HAS01-12			21:34	25	niskin	0.16	0.01500	000620137
HAS01-12			21:34	50	niskin	0.64	0.02754	000620136
HAS01-12			21:34	75	niskin	0.35	0.06566	000620135
HAS01-12			21:11	83	CABLE	0.52	0.04337	000620129
HAS01-12			20:54	(-0.05-0.25)	Boss (5-25)	0.86	0.29298	000620127
HAS01-12			20:54	(-0.35-0.50)	Boss (35-50)	0.72	0.16805	000620128
HAS01-12			20:37	83	Slurp	10.18	0.39713	000620126
HAS01-13			23:06	1	niskin	0.42	0.04900	000620142
HAS01-13			23:06	25	niskin	0.54	0.02865	000620143
HAS01-13			23:06	50	niskin	0.97	0.03365	000620144
HAS01-13			23:06	75	niskin	0.86	0.13891	000620145
HAS01-13			23:31	83	CABLE	0.79	0.11950	000621007
HAS01-13			22:51	(-0.05-0.25)	Boss (5-25)	0.85	0.14234	000620140
HAS01-13			22:51	(-0.35-0.50)	Boss (35-50)	0.34	0.17857	000620141
HAS01-13			22:35	83	Slurp	1.96	0.34366	000620139

Appendix I. DIGS, raw data of samples collected from Mission 98-015.

Table 8. DIGS, raw data: Station N0, Mission 98-015

Station	**HN0**	**HN0**	**HN0**	**HN0**	**HN0**	**HN**
Depth (m)	1	25	50	70	76	75
Time GMT	2246	2246	2246	2245	2319	2205
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.47	0.49	0.25	0.51	1.11	7.28
Total PPM	0.14865	0.16018	0.05836	0.11197	0.10728	100.00
Diameter (um)						
0.76						
0.87	0.00195	0.00224	0.00090	0.00323	0.00267	2.92
1.00	0.00239	0.00274	0.00100	0.00337	0.00302	3.12
1.15	0.00291	0.00330	0.00119	0.00351	0.00341	3.39
1.32	0.00355	0.00412	0.00136	0.00385	0.00384	3.72
1.52	0.00424	0.00501	0.00155	0.00416	0.00418	3.89
1.74	0.00497	0.00585	0.00170	0.00446	0.00441	4.02
2.00	0.00570	0.00648	0.00181	0.00458	0.00461	4.15
2.30	0.00629	0.00731	0.00196	0.00479	0.00478	4.17
2.64	0.00685	0.00795	0.00208	0.00512	0.00491	4.21
3.03	0.00721	0.00894	0.00220	0.00541	0.00504	4.37
3.48	0.00797	0.01012	0.00243	0.00582	0.00536	4.30
4.00	0.00849	0.01041	0.00260	0.00588	0.00519	4.43
4.59	0.00924	0.01054	0.00272	0.00596	0.00525	4.23
5.28	0.01025	0.01133	0.00310	0.00624	0.00547	4.20
6.06	0.01097	0.01195	0.00344	0.00662	0.00574	4.24
6.96	0.01128	0.01195	0.00365	0.00675	0.00549	4.15
8.00	0.01132	0.01149	0.00394	0.00669	0.00481	4.16
9.19	0.00911	0.00920	0.00405	0.00623	0.00389	4.05
10.56	0.00724	0.00671	0.00409	0.00567	0.00314	3.87
12.13	0.00576	0.00482	0.00421	0.00463	0.00274	3.78
13.93	0.00473	0.00330	0.00365	0.00370	0.00230	3.44
16.00	0.00331	0.00230	0.00272	0.00236	0.00196	3.17
18.38	0.00183	0.00150	0.00152	0.00142	0.00199	3.00
21.11	0.00071	0.00063	0.00036	0.00076	0.00188	2.27
24.25	0.00038	..	0.00013	0.00038	0.00183	1.96
27.86	..	..	..	0.00037	0.00149	2.33
32.00	..	..	..	..	0.00165	1.80
36.76	..	..	..	..	0.00140	1.13
42.22	..	..	..	..	0.00134	1.05
48.50	..	..	..	..	0.00101	0.48
55.72	..	..	..	..	0.00130	
64.00	..	..	..	..	0.00057	..
73.52	..	..	..	..	0.00037	..
84.45	..	..	..	..	0.00023	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 9. DIGS, raw data: Station N1, Mission 1998-015

Station	**HN1**	**HN1**	**HN1**	**HN1**	**HN1**	**HN1**
Depth (m)	1	25	50	70	76	77
Time GMT	1152	1152	1152	1152	1245	1130
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.55	0.54	0.36	0.36	1.05	5.56
Total PPM	0.20094	0.20197	0.09128	0.14729	0.08361	100.00
Diameter (um)						
0.76	0.00161	0.00179	0.00117	0.00137		
0.87	0.00196	0.00212	0.00126	0.00153	0.00213	2.27
1.00	0.00244	0.00272	0.00136	0.00171	0.00247	2.49
1.15	0.00302	0.00323	0.00147	0.00191	0.00285	2.85
1.32	0.00361	0.00401	0.00157	0.00212	0.00324	3.21
1.52	0.00443	0.00465	0.00170	0.00232	0.00353	3.54
1.74	0.00482	0.00539	0.00175	0.00246	0.00383	3.84
2.00	0.00534	0.00604	0.00186	0.00260	0.00398	4.08
2.30	0.00620	0.00664	0.00196	0.00273	0.00411	4.24
2.64	0.00706	0.00761	0.00218	0.00302	0.00420	4.33
3.03	0.00824	0.00931	0.00240	0.00330	0.00456	4.35
3.48	0.00829	0.01038	0.00208	0.00364	0.00496	4.60
4.00	0.00825	0.00896	0.00254	0.00373	0.00501	4.92
4.59	0.01281	0.01292	0.00253	0.00373	0.00498	4.37
5.28	0.01333	0.01327	0.00267	0.00389	0.00517	4.20
6.06	0.01464	0.01446	0.00297	0.00418	0.00528	4.07
6.96	0.01527	0.01541	0.00326	0.00442	0.00514	4.03
8.00	0.01569	0.01600	0.00351	0.00479	0.00465	3.86
9.19	0.01509	0.01550	0.00393	0.00511	0.00404	3.64
10.56	0.01265	0.01279	0.00453	0.00565	0.00299	3.54
12.13	0.01072	0.00918	0.00528	0.00640	0.00224	3.24
13.93	0.00878	0.00678	0.00615	0.00752	0.00159	3.13
16.00	0.00687	0.00525	0.00657	0.00854	0.00112	2.73
18.38	0.00428	0.00312	0.00689	0.00976	0.00071	2.40
21.11	0.00284	0.00148	0.00547	0.00951	0.00045	2.37
24.25	0.00143	0.00111	0.00434	0.01043	0.00037	2.34
27.86	0.00081	0.00058	0.00324	0.01051	..	2.21
32.00	0.00028	0.00057	0.00298	0.00986	..	1.89
36.76	0.00020	0.00049	0.00200	0.00649	..	1.84
42.22	..	0.00022	0.00106	0.00296	..	1.48
48.50	..	..	0.00060	0.00110	..	1.61
55.72	..	..	..	..	..	1.25
64.00	..	..	..	..	..	1.08
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 10. DIGS, raw data: Station N2, Mission 1998-015

Station	**HN2**	**HN2**	**HN2**	**HN2**	**HN2**	**HN2**
Depth (m)	1	25	50	68	76	77
Time GMT	1051	1051	1051	1051	1025	955
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.44	0.49	0.39	0.57	0.65	9.40
Total PPM	0.18134	0.15401	0.07908	0.11293	0.09986	100.00
Diameter (um)						
0.76						
0.87					0.00242	2.37
1.00	0.00228	0.00125	0.00093	0.00133	0.00280	2.47
1.15	0.00259	0.00161	0.00104	0.00146	0.00325	2.84
1.32	0.00307	0.00215	0.00119	0.00163	0.00364	3.13
1.52	0.00389	0.00274	0.00136	0.00185	0.00405	3.45
1.74	0.00465	0.00341	0.00155	0.00207	0.00429	3.59
2.00	0.00545	0.00415	0.00168	0.00231	0.00449	3.81
2.30	0.00635	0.00464	0.00183	0.00240	0.00457	3.88
2.64	0.00684	0.00508	0.00199	0.00266	0.00490	3.98
3.03	0.00804	0.00557	0.00208	0.00281	0.00511	4.09
3.48	0.00911	0.00661	0.00235	0.00302	0.00567	4.23
4.00	0.01018	0.00737	0.00261	0.00322	0.00563	4.06
4.59	0.01083	0.00805	0.00273	0.00315	0.00553	3.99
5.28	0.01087	0.00780	0.00278	0.00379	0.00568	3.96
6.06	0.01009	0.01012	0.00285	0.00378	0.00572	4.05
6.96	0.00992	0.01027	0.00301	0.00381	0.00540	3.89
8.00	0.01075	0.01113	0.00343	0.00410	0.00483	3.78
9.19	0.01141	0.01183	0.00384	0.00446	0.00433	3.75
10.56	0.01170	0.01199	0.00423	0.00472	0.00351	3.57
12.13	0.01135	0.01100	0.00451	0.00507	0.00278	3.43
13.93	0.00924	0.00886	0.00481	0.00550	0.00229	3.24
16.00	0.00744	0.00646	0.00515	0.00600	0.00207	2.91
18.38	0.00561	0.00478	0.00529	0.00682	0.00159	2.84
21.11	0.00434	0.00305	0.00541	0.00726	0.00147	2.67
24.25	0.00279	0.00236	0.00505	0.00797	0.00171	2.67
27.86	0.00134	0.00099	0.00366	0.00783	0.00124	2.93
32.00	0.00068	0.00051	0.00244	0.00676	0.00089	2.96
36.76	0.00024	0.00013	0.00077	0.00450	..	2.02
42.22	0.00018	0.00013	0.00036	0.00200	..	2.36
48.50	0.00013	..	0.00014	0.00063	..	1.42
55.72	..	..	..	..	..	1.66
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 11. DIGS, raw data: Station N3, Mission 1998-015

Station	**HN3**	**HN3**	**HN3**	**HN3**	**HN3**	**HN3**
Depth (m)	1	25	50	72	79	79
Time GMT	757	757	757	757	733	729
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	3.54	0.72	0.73	1.81	0.27	181.78
Total PPM	0.13753	0.08879	0.07536	0.11425	0.12328	100.00
Diameter (um)						
0.76	0.00133	0.00094	0.00082	0.00217		
0.87	0.00163	0.00115	0.00096	0.00247	0.00298	2.53
1.00	0.00206	0.00140	0.00114	0.00281	0.00334	2.79
1.15	0.00255	0.00166	0.00135	0.00322	0.00388	3.13
1.32	0.00311	0.00192	0.00156	0.00356	0.00431	3.34
1.52	0.00369	0.00213	0.00181	0.00369	0.00471	3.57
1.74	0.00411	0.00237	0.00200	0.00382	0.00494	3.65
2.00	0.00463	0.00260	0.00228	0.00402	0.00525	3.68
2.30	0.00504	0.00288	0.00256	0.00421	0.00529	3.61
2.64	0.00578	0.00308	0.00289	0.00433	0.00558	3.70
3.03	0.00651	0.00360	0.00336	0.00466	0.00605	3.68
3.48	0.00648	0.00346	0.00336	0.00443	0.00620	3.55
4.00	0.00649	0.00332	0.00319	0.00464	0.00673	3.68
4.59	0.00915	0.00440	0.00427	0.00484	0.00689	3.62
5.28	0.00920	0.00455	0.00431	0.00482	0.00733	3.73
6.06	0.01006	0.00501	0.00467	0.00513	0.00773	3.87
6.96	0.01036	0.00540	0.00484	0.00553	0.00798	4.03
8.00	0.01058	0.00565	0.00486	0.00533	0.00742	4.08
9.19	0.01047	0.00554	0.00478	0.00580	0.00652	4.11
10.56	0.00781	0.00497	0.00421	0.00601	0.00506	4.10
12.13	0.00515	0.00393	0.00354	0.00583	0.00431	4.12
13.93	0.00318	0.00321	0.00279	0.00576	0.00346	3.93
16.00	0.00224	0.00273	0.00207	0.00525	0.00246	3.62
18.38	0.00172	0.00214	0.00147	0.00413	0.00184	3.34
21.11	0.00151	0.00152	0.00112	0.00308	0.00136	2.86
24.25	0.00146	0.00127	0.00123	0.00194	0.00073	2.67
27.86	0.00126	0.00121	0.00112	0.00143	0.00093	2.30
32.00	..	0.00098	0.00114	0.00048	..	2.23
36.76	..	0.00096	0.00084	0.00035	..	1.85
42.22	..	0.00109	0.00080	..	..	1.89
48.50	..	0.00117	..	..	..	1.58
55.72	..	0.00142	..	..	..	1.16
64.00	..	0.00115	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 12. DIGS, raw data: Station N4, Mission 1998-015

Station	HN4	HN4	HN4	HN4	HN4	HN4
Depth (m)	1	25	50	71	79	79
Time GMT	625	625	625	625	604	534
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.92	0.93	0.57	0.63	0.85	3.27
Total PPM	0.13747	0.10372	0.02185	0.09396	0.09611	100.00
Diameter (um)						
0.76						
0.87	0.00145	0.00114	0.00041	0.00237	0.00204	3.23
1.00	0.00181	0.00146	0.00046	0.00263	0.00240	3.44
1.15	0.00230	0.00189	0.00053	0.00294	0.00283	3.80
1.32	0.00288	0.00234	0.00060	0.00328	0.00321	4.16
1.52	0.00352	0.00285	0.00067	0.00352	0.00354	4.41
1.74	0.00405	0.00328	0.00074	0.00372	0.00384	4.53
2.00	0.00464	0.00372	0.00081	0.00385	0.00406	4.58
2.30	0.00516	0.00405	0.00088	0.00402	0.00428	4.58
2.64	0.00564	0.00465	0.00098	0.00431	0.00451	4.60
3.03	0.00681	0.00511	0.00107	0.00454	0.00475	4.67
3.48	0.00764	0.00618	0.00122	0.00481	0.00525	4.66
4.00	0.00887	0.00719	0.00130	0.00473	0.00508	4.44
4.59	0.00957	0.00732	0.00129	0.00474	0.00485	4.21
5.28	0.01046	0.00796	0.00140	0.00493	0.00472	4.19
6.06	0.01097	0.00846	0.00147	0.00517	0.00468	4.23
6.96	0.01125	0.00818	0.00149	0.00537	0.00455	4.18
8.00	0.01047	0.00782	0.00149	0.00555	0.00406	4.11
9.19	0.00808	0.00646	0.00133	0.00570	0.00350	3.81
10.56	0.00550	0.00467	0.00117	0.00528	0.00287	3.59
12.13	0.00359	0.00329	0.00090	0.00460	0.00221	3.32
13.93	0.00259	0.00229	0.00067	0.00346	0.00185	3.32
16.00	0.00144	0.00134	0.00053	0.00232	0.00158	2.76
18.38	0.00065	0.00071	0.00027	0.00127	0.00127	2.26
21.11	0.00047	0.00049	0.00018	0.00053	0.00139	1.91
24.25	0.00127	0.00056	..	0.00032	0.00129	1.29
27.86	0.00166	0.00030	..	..	0.00158	1.29
32.00	0.00177	..	..	..	0.00137	1.25
36.76	0.00169	..	..	..	0.00194	1.28
42.22	0.00127	..	..	..	0.00169	1.01
48.50	..	..	..	..	0.00222	0.89
55.72	..	..	..	..	0.00177	..
64.00	..	..	..	..	0.00092	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 13. DIGS, raw data: Station N5, Mission 1998-015

Station	**HN5**	**HN5**	**HN5**	**HN5**	**HN5**	**HN5**
Depth (m)	1	25	50	68	78	78
Time GMT	947	947	947	947	1017	925
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.40	0.47	0.15	0.27	1.45	3.56
Total PPM	0.10991	0.14276	0.03029	0.06531	0.16712	100.00
Diameter (um)						
0.76						
0.87	0.00193	0.00232	0.00056	0.00105	0.00519	3.48
1.00	0.00220	0.00293	0.00071	0.00117	0.00541	3.86
1.15	0.00264	0.00366	0.00084	0.00131	0.00572	4.38
1.32	0.00312	0.00434	0.00101	0.00148	0.00606	4.84
1.52	0.00363	0.00497	0.00113	0.00165	0.00615	5.16
1.74	0.00415	0.00552	0.00127	0.00178	0.00624	5.42
2.00	0.00452	0.00598	0.00140	0.00187	0.00637	5.65
2.30	0.00489	0.00627	0.00151	0.00207	0.00655	5.77
2.64	0.00546	0.00694	0.00157	0.00226	0.00684	5.87
3.03	0.00602	0.00784	0.00175	0.00247	0.00668	5.86
3.48	0.00697	0.00900	0.00202	0.00266	0.00684	5.83
4.00	0.00762	0.00924	0.00197	0.00294	0.00653	5.12
4.59	0.00765	0.00918	0.00203	0.00309	0.00657	4.55
5.28	0.00808	0.01013	0.00217	0.00332	0.00681	4.25
6.06	0.00860	0.01117	0.00223	0.00355	0.00728	3.93
6.96	0.00855	0.01121	0.00212	0.00367	0.00731	3.70
8.00	0.00805	0.01029	0.00189	0.00397	0.00754	3.40
9.19	0.00604	0.00838	0.00152	0.00411	0.00774	3.08
10.56	0.00409	0.00582	0.00107	0.00413	0.00719	2.74
12.13	0.00260	0.00386	0.00075	0.00428	0.00692	2.37
13.93	0.00165	0.00211	0.00046	0.00387	0.00599	1.74
16.00	0.00087	0.00113	0.00022	0.00356	0.00481	1.55
18.38	0.00041	0.00046	0.00009	0.00258	0.00414	1.38
21.11	0.00016	..	..	0.00145	0.00378	0.97
24.25	..	..	..	0.00075	0.00316	1.14
27.86	..	..	..	0.00027	0.00408	1.72
32.00	..	..	..	..	0.00277	1.06
36.76	..	..	..	..	0.00309	1.20
42.22	..	..	..	..	0.00265	..
48.50	..	..	..	..	0.00070	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 14. DIGS, raw data: Station N6, Mission 1998-015

Station	**HN6**	**HN6**	**HN6**	**HN6**	**HN6**	**HN6**
Depth (m)	1	25	68	75	88	89
Time GMT	1154	1154	1051	1154	1138	1114
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.29	0.33	0.40	0.31	0.92	5.26
Total PPM	0.04641	0.06681	0.11293	0.10854	0.08032	100.00
Diameter (um)						
0.76			0.00133			
0.87	0.00115	0.00129	0.00146	0.00288	0.00223	2.97
1.00	0.00139	0.00160	0.00163	0.00325	0.00261	3.42
1.15	0.00165	0.00195	0.00185	0.00365	0.00297	3.94
1.32	0.00188	0.00227	0.00207	0.00404	0.00328	4.29
1.52	0.00207	0.00250	0.00231	0.00438	0.00355	4.54
1.74	0.00220	0.00271	0.00240	0.00467	0.00363	4.75
2.00	0.00232	0.00285	0.00266	0.00477	0.00373	4.81
2.30	0.00239	0.00307	0.00281	0.00497	0.00375	4.80
2.64	0.00250	0.00342	0.00302	0.00543	0.00381	4.82
3.03	0.00271	0.00371	0.00322	0.00585	0.00420	4.71
3.48	0.00293	0.00415	0.00315	0.00596	0.00400	4.63
4.00	0.00279	0.00369	0.00379	0.00590	0.00402	4.43
4.59	0.00291	0.00377	0.00378	0.00581	0.00383	4.39
5.28	0.00318	0.00418	0.00381	0.00612	0.00377	4.10
6.06	0.00337	0.00466	0.00410	0.00649	0.00374	3.96
6.96	0.00312	0.00482	0.00446	0.00655	0.00335	3.55
8.00	0.00264	0.00462	0.00472	0.00616	0.00318	3.29
9.19	0.00205	0.00394	0.00507	0.00579	0.00294	2.97
10.56	0.00139	0.00294	0.00550	0.00490	0.00255	2.62
12.13	0.00089	0.00194	0.00600	0.00397	0.00240	2.44
13.93	0.00065	0.00138	0.00682	0.00285	0.00213	2.30
16.00	0.00025	0.00079	0.00726	0.00199	0.00181	1.67
18.38	..	0.00035	0.00797	0.00107	0.00162	1.61
21.11	..	0.00021	0.00783	0.00064	0.00159	1.04
24.25	..	..	0.00676	0.00046	0.00117	1.16
27.86	..	..	0.00450	..	0.00086	1.66
32.00	..	..	0.00200	..	0.00093	1.61
36.76	..	..	0.00063	..	0.00071	2.25
42.22	..	..	..	..	0.00061	2.28
48.50	..	..	..	..	0.00088	1.87
55.72	..	..	..	..	0.00047	3.11
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 15. DIGS, raw data: Station SO, Mission 1998-015

Station	**HS0**	**HS0**	**HS0**	**HS0**	**HS0**	**HS0**
Depth (m)	1	25	50	70	75	74
Time GMT	1411	1411	1411	1411	1432	1347
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.39	0.56	0.23	0.61	2.01	9.07
Total PPM	0.12081	0.12775	0.04266	0.17596	0.26163	100.00
Diameter (um)						
0.76	..					
0.87	..	0.00191	0.00069	0.00243	0.00772	3.21
1.00	..	0.00227	0.00081	0.00264	0.00862	3.38
1.15	..	0.00278	0.00095	0.00295	0.00954	3.79
1.32	0.00416	0.00330	0.00113	0.00331	0.01048	4.20
1.52	0.00482	0.00386	0.00128	0.00350	0.01109	4.43
1.74	0.00535	0.00438	0.00146	0.00395	0.01157	4.56
2.00	0.00587	0.00505	0.00161	0.00431	0.01167	4.82
2.30	0.00657	0.00551	0.00183	0.00473	0.01189	4.86
2.64	0.00710	0.00598	0.00196	0.00503	0.01196	4.97
3.03	0.00716	0.00669	0.00215	0.00548	0.01242	4.80
3.48	0.00739	0.00734	0.00242	0.00581	0.01236	4.97
4.00	0.00810	0.00818	0.00260	0.00674	0.01195	4.98
4.59	0.00918	0.00872	0.00275	0.00782	0.01111	4.78
5.28	0.00930	0.00950	0.00295	0.00882	0.01106	4.62
6.06	0.00840	0.00993	0.00314	0.00990	0.01075	4.38
6.96	0.00815	0.01011	0.00313	0.01061	0.01008	4.22
8.00	0.00756	0.00984	0.00301	0.01122	0.00931	3.94
9.19	0.00624	0.00763	0.00267	0.01161	0.00790	3.66
10.56	0.00489	0.00537	0.00215	0.01134	0.00724	3.42
12.13	0.00368	0.00388	0.00166	0.01093	0.00629	2.99
13.93	0.00284	0.00257	0.00111	0.01014	0.00679	2.78
16.00	0.00194	0.00149	0.00067	0.00969	0.00680	2.58
18.38	0.00136	0.00085	0.00040	0.00824	0.00592	2.20
21.11	0.00060	0.00061	0.00015	0.00657	0.00613	1.82
24.25	0.00015	..	..	0.00474	0.00577	1.90
27.86	..	..	..	0.00188	0.00550	1.40
32.00	..	..	..	0.00156	0.00624	1.51
36.76	..	..	..	..	0.00396	0.82
42.22	..	..	..	..	0.00369	..
48.50	..	..	..	..	0.00373	..
55.72	..	..	..	..	0.00207	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 16. DIGS, raw data: Station S1, Mission 1998-015

Station	HS1	HS1	HS1	HS1	HS1	HS1
Depth (m)	1	25	50	70	78	77
Time GMT	1609	1609	1609	1609	1550	1524
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.66	0.48	0.29	0.40	0.88	5.37
Total PPM	0.13667	0.14190	0.04731	0.10018	0.09340	100.00
Diameter (um)						
0.76	..	..	..	..	..	..
0.87	..	..	..	..	0.00229	2.89
1.00	..	..	..	..	0.00268	2.96
1.15	..	..	..	..	0.00315	3.36
1.32	0.00388	0.00436	0.00145	0.00340	0.00363	3.75
1.52	0.00460	0.00518	0.00167	0.00369	0.00404	4.15
1.74	0.00529	0.00599	0.00186	0.00393	0.00429	4.42
2.00	0.00618	0.00679	0.00209	0.00414	0.00453	4.60
2.30	0.00708	0.00758	0.00231	0.00431	0.00482	4.54
2.64	0.00779	0.00820	0.00257	0.00454	0.00513	4.64
3.03	0.00792	0.00894	0.00281	0.00484	0.00553	4.55
3.48	0.00796	0.00959	0.00307	0.00497	0.00556	4.50
4.00	0.00889	0.01035	0.00335	0.00529	0.00565	4.55
4.59	0.01098	0.01034	0.00319	0.00557	0.00585	4.43
5.28	0.01119	0.00974	0.00303	0.00532	0.00608	4.38
6.06	0.01119	0.01074	0.00315	0.00551	0.00613	4.29
6.96	0.01049	0.00969	0.00310	0.00570	0.00590	4.38
8.00	0.00919	0.00964	0.00304	0.00580	0.00508	4.24
9.19	0.00738	0.00841	0.00276	0.00562	0.00400	3.88
10.56	0.00531	0.00588	0.00234	0.00532	0.00287	3.59
12.13	0.00362	0.00389	0.00183	0.00507	0.00223	3.38
13.93	0.00275	0.00246	0.00140	0.00470	0.00145	2.70
16.00	0.00205	0.00164	0.00097	0.00407	0.00094	2.48
18.38	0.00139	0.00115	0.00064	0.00300	0.00074	2.05
21.11	0.00083	0.00060	0.00036	0.00227	0.00047	2.16
24.25	0.00035	0.00046	0.00018	0.00140	0.00032	1.72
27.86	0.00038	0.00026	0.00016	0.00118	..	1.80
32.00	..	..	..	0.00054	..	1.53
36.76	..	..	..	..	..	2.44
42.22	..	..	..	..	..	1.64
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 17. DIGS, raw data: Station S2, Mission 1998-015

Station	HS2	HS2	HS2	HS2	HS2	HS2
Depth (m)	1	25	50	72	77	77
Time GMT	1712	1712	1712	1712	1740	1649
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.53	0.66	0.76	0.55	1.21	3.38
Total PPM	0.13899	0.17508	0.04505	0.10994	0.08492	100.00
Diameter (um)						
0.76						
0.87	0.00283	0.00249	0.00083	0.00209	0.00200	3.13
1.00	0.00335	0.00307	0.00095	0.00233	0.00232	3.49
1.15	0.00405	0.00378	0.00108	0.00260	0.00263	3.99
1.32	0.00472	0.00468	0.00124	0.00285	0.00299	4.48
1.52	0.00556	0.00553	0.00138	0.00307	0.00329	4.85
1.74	0.00629	0.00644	0.00151	0.00335	0.00348	5.14
2.00	0.00722	0.00721	0.00160	0.00346	0.00376	5.47
2.30	0.00799	0.00809	0.00175	0.00367	0.00387	5.62
2.64	0.00820	0.00866	0.00185	0.00392	0.00410	5.58
3.03	0.00822	0.00955	0.00209	0.00445	0.00431	5.48
3.48	0.00855	0.00964	0.00215	0.00440	0.00443	5.14
4.00	0.00923	0.01022	0.00236	0.00472	0.00469	5.07
4.59	0.01067	0.01108	0.00242	0.00471	0.00474	4.86
5.28	0.01096	0.01217	0.00263	0.00508	0.00497	4.84
6.06	0.01087	0.01304	0.00281	0.00557	0.00523	4.67
6.96	0.01007	0.01378	0.00296	0.00608	0.00495	4.25
8.00	0.00803	0.01413	0.00295	0.00676	0.00469	3.78
9.19	0.00499	0.01138	0.00278	0.00738	0.00395	3.07
10.56	0.00280	0.00799	0.00230	0.00797	0.00317	2.61
12.13	0.00168	0.00464	0.00182	0.00806	0.00256	2.26
13.93	0.00109	0.00314	0.00139	0.00748	0.00226	1.84
16.00	0.00081	0.00238	0.00107	0.00531	0.00181	1.64
18.38	0.00044	0.00110	0.00084	0.00276	0.00128	1.32
21.11	0.00037	0.00054	0.00074	0.00133	0.00141	1.43
24.25	..	0.00037	0.00061	0.00036	0.00117	1.04
27.86	..	..	0.00062	0.00019	0.00088	1.23
32.00	..	..	0.00030	..	..	2.06
36.76	..	..	..	..	..	1.66
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 18. DIGS, raw data: Station S3, Mission 1998-015

Station	**HS3**	**HS3**	**HS3**	**HS3**	**HS3**	**HS3**
Depth (m)	1	25	50	71	78	77
Time GMT	1927	1927	1927	1927	1908	1840
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.62	0.64	0.52	0.54	2.32	4.90
Total PPM	0.16076	0.13268	0.06316	0.08769	0.09957	100.00
Diameter (um)						
0.76						
0.87	0.00274	0.00203	0.00094	0.00195	0.00247	2.45
1.00	0.00321	0.00249	0.00111	0.00216	0.00272	2.82
1.15	0.00384	0.00301	0.00131	0.00240	0.00311	3.13
1.32	0.00452	0.00365	0.00153	0.00267	0.00346	3.44
1.52	0.00540	0.00433	0.00177	0.00290	0.00378	3.76
1.74	0.00631	0.00501	0.00194	0.00307	0.00414	4.10
2.00	0.00701	0.00551	0.00222	0.00318	0.00436	4.36
2.30	0.00760	0.00613	0.00246	0.00330	0.00448	4.72
2.64	0.00825	0.00687	0.00273	0.00353	0.00508	4.78
3.03	0.00814	0.00758	0.00315	0.00369	0.00492	5.11
3.48	0.00900	0.00845	0.00363	0.00385	0.00506	4.93
4.00	0.01003	0.00787	0.00380	0.00379	0.00527	5.23
4.59	0.01083	0.00815	0.00380	0.00377	0.00504	5.22
5.28	0.01183	0.00893	0.00399	0.00396	0.00499	5.25
6.06	0.01234	0.00950	0.00427	0.00422	0.00479	5.23
6.96	0.01243	0.00965	0.00439	0.00455	0.00459	5.02
8.00	0.01104	0.00990	0.00428	0.00486	0.00437	4.19
9.19	0.00872	0.00724	0.00397	0.00510	0.00388	3.42
10.56	0.00590	0.00415	0.00337	0.00544	0.00340	2.82
12.13	0.00411	0.00263	0.00254	0.00586	0.00303	2.27
13.93	0.00267	0.00142	0.00183	0.00500	0.00257	1.83
16.00	0.00179	0.00104	0.00121	0.00400	0.00249	1.47
18.38	0.00100	0.00078	0.00096	0.00268	0.00198	1.56
21.11	0.00114	0.00092	0.00064	0.00116	0.00196	1.58
24.25	0.00091	0.00078	0.00053	0.00045	0.00143	1.25
27.86	..	0.00097	0.00047	0.00014	0.00145	1.25
32.00	..	0.00142	0.00032	..	0.00176	1.98
36.76	..	0.00226	..	..	0.00181	2.91
42.22	..	..	..	..	0.00119	2.34
48.50	..	..	..	..	..	1.57
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 19. DIGS, raw data: Station S4, Mission 1998-015

Station	**HS4**	**HS4**	**HS4**	**HS4**	**HS4**	**HS4**
Depth (m)	1	25	50	70	77	77
Time GMT	2034	2034	2034	2034	2102	2015
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.36	0.41	0.29	0.38	1.21	6.99
Total PPM	0.14144	0.13955	0.07710	0.10040	0.05906	100.00
Diameter (um)						
0.76						
0.87	0.00295	0.00178	0.00097	0.00192	0.00198	3.64
1.00	0.00348	0.00217	0.00111	0.00214	0.00193	4.03
1.15	0.00419	0.00269	0.00128	0.00240	0.00213	4.46
1.32	0.00505	0.00333	0.00148	0.00266	0.00237	4.87
1.52	0.00583	0.00385	0.00170	0.00291	0.00260	5.17
1.74	0.00657	0.00428	0.00189	0.00311	0.00277	5.35
2.00	0.00734	0.00463	0.00210	0.00327	0.00290	5.34
2.30	0.00760	0.00503	0.00235	0.00340	0.00300	5.33
2.64	0.00814	0.00554	0.00265	0.00352	0.00314	4.97
3.03	0.00812	0.00635	0.00303	0.00372	0.00334	4.86
3.48	0.00851	0.00723	0.00347	0.00397	0.00349	4.42
4.00	0.00830	0.00767	0.00398	0.00424	0.00345	4.03
4.59	0.00916	0.00801	0.00405	0.00424	0.00332	3.75
5.28	0.00992	0.00895	0.00441	0.00449	0.00333	3.64
6.06	0.01037	0.00988	0.00475	0.00470	0.00320	3.67
6.96	0.01011	0.01042	0.00512	0.00500	0.00294	3.69
8.00	0.00911	0.01115	0.00552	0.00536	0.00254	3.83
9.19	0.00683	0.01016	0.00541	0.00584	0.00216	3.85
10.56	0.00406	0.00795	0.00517	0.00647	0.00187	3.58
12.13	0.00249	0.00618	0.00474	0.00706	0.00150	3.11
13.93	0.00155	0.00501	0.00346	0.00716	0.00143	2.52
16.00	0.00101	0.00375	0.00275	0.00613	0.00102	1.95
18.38	0.00048	0.00197	0.00171	0.00382	0.00092	1.76
21.11	0.00028	0.00102	0.00135	0.00191	0.00069	1.29
24.25	..	0.00054	0.00114	0.00077	0.00052	1.50
27.86	..	..	0.00090	0.00017	0.00053	1.15
32.00	..	..	0.00060	..	..	1.24
36.76	..	..	..	..	..	1.75
42.22	..	..	..	..	..	1.25
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 20. DIGS, raw data: Station S5, Mission 1998-015

Station	**HS5**	**HS5**	**HS5**	**HS5**	**HS5**	**HS5**
Depth (m)	1	25	50	60	65	65
Time GMT	2248	2248	2248	2248	2231	2206
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.35	0.43	0.17	0.17	0.59	3.91
Total PPM	0.12954	0.15688	0.03281	0.04396	0.04416	100.00
Diameter (um)						
0.76						
0.87	0.00237	0.00290	0.00048	0.00060	0.00145	2.54
1.00	0.00287	0.00342	0.00059	0.00070	0.00166	2.85
1.15	0.00350	0.00413	0.00073	0.00085	0.00185	3.22
1.32	0.00416	0.00495	0.00087	0.00096	0.00207	3.53
1.52	0.00498	0.00596	0.00099	0.00110	0.00224	3.89
1.74	0.00576	0.00695	0.00113	0.00120	0.00235	4.17
2.00	0.00653	0.00775	0.00126	0.00133	0.00249	4.33
2.30	0.00695	0.00887	0.00136	0.00144	0.00263	4.63
2.64	0.00754	0.00931	0.00152	0.00156	0.00268	4.82
3.03	0.00740	0.00927	0.00165	0.00161	0.00269	4.73
3.48	0.00751	0.00958	0.00185	0.00181	0.00265	4.61
4.00	0.00851	0.01030	0.00213	0.00197	0.00254	4.74
4.59	0.00935	0.01169	0.00226	0.00212	0.00257	4.18
5.28	0.00983	0.01236	0.00239	0.00241	0.00248	3.84
6.06	0.01001	0.01214	0.00246	0.00268	0.00232	3.53
6.96	0.00935	0.01168	0.00240	0.00299	0.00207	3.20
8.00	0.00813	0.00989	0.00222	0.00322	0.00178	3.05
9.19	0.00586	0.00657	0.00192	0.00326	0.00150	2.69
10.56	0.00382	0.00387	0.00160	0.00307	0.00126	2.70
12.13	0.00241	0.00227	0.00115	0.00275	0.00100	2.88
13.93	0.00136	0.00160	0.00076	0.00224	0.00071	2.84
16.00	0.00088	0.00083	0.00053	0.00165	0.00056	2.70
18.38	0.00048	0.00059	0.00026	0.00120	0.00038	2.21
21.11	..	..	0.00020	0.00076	0.00023	1.70
24.25	..	..	0.00012	0.00032	..	1.37
27.86	..	..	..	0.00016	..	1.78
32.00	..	..	..	..	..	1.95
36.76	..	..	..	..	..	2.21
42.22	..	..	..	..	..	3.29
48.50	..	..	..	..	..	3.55
55.72	..	..	..	..	..	2.26
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..		..	..	..	..
388.02	..		..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 21. DIGS, raw data: Station S6, Mission 1998-015

Station	HS6	HS6	HS6	HS6	HS6	HS6
Depth (m)	1	25	50	62	68	68
Time GMT	8	8	8	8	33	2348
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.32	0.39	0.18	0.21	0.48	2.41
Total PPM	0.11373	0.10418	0.03310	0.04326	0.04192	100.00
Diameter (um)						
0.76						
0.87	0.00191	0.00190	0.00051	0.00075	0.00072	1.77
1.00	0.00229	0.00225	0.00058	0.00078	0.00081	2.00
1.15	0.00276	0.00268	0.00069	0.00084	0.00094	2.32
1.32	0.00338	0.00327	0.00082	0.00095	0.00105	2.66
1.52	0.00400	0.00388	0.00096	0.00103	0.00111	3.06
1.74	0.00480	0.00449	0.00104	0.00110	0.00122	3.50
2.00	0.00556	0.00524	0.00118	0.00121	0.00137	3.77
2.30	0.00596	0.00578	0.00128	0.00129	0.00150	4.24
2.64	0.00611	0.00598	0.00140	0.00136	0.00162	4.64
3.03	0.00628	0.00589	0.00159	0.00149	0.00190	4.70
3.48	0.00695	0.00638	0.00170	0.00155	0.00194	5.00
4.00	0.00789	0.00758	0.00164	0.00176	0.00201	5.07
4.59	0.00876	0.00791	0.00174	0.00182	0.00206	4.21
5.28	0.00883	0.00793	0.00188	0.00193	0.00224	3.85
6.06	0.00852	0.00776	0.00200	0.00215	0.00257	3.63
6.96	0.00746	0.00700	0.00214	0.00246	0.00277	3.57
8.00	0.00598	0.00554	0.00221	0.00277	0.00323	3.49
9.19	0.00446	0.00402	0.00216	0.00330	0.00333	3.68
10.56	0.00363	0.00280	0.00217	0.00364	0.00301	3.54
12.13	0.00263	0.00200	0.00196	0.00382	0.00247	3.36
13.93	0.00220	0.00161	0.00156	0.00327	0.00175	3.03
16.00	0.00175	0.00118	0.00098	0.00207	0.00098	2.66
18.38	0.00105	0.00067	0.00046	0.00121	0.00055	2.57
21.11	0.00056	0.00043	0.00034	0.00053	0.00045	2.52
24.25	..	..	0.00013	0.00018	0.00033	2.79
27.86	..	..	..	..	..	2.28
32.00	..	..	..	..	..	3.01
36.76	..	..	..	..	..	2.78
42.22	..	..	..	..	..	1.75
48.50	..	..	..	..	..	2.53
55.72	..	..	..	..	..	2.00
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 22. DIGS, raw data: Station W0, Mission 1998-015

Station	**HW0**	**HW0**	**HW0**	**HW0**	**HW0**	**HW0**
Depth (m)	1	25	50	69	79	79
Time GMT	2110	2110	2110	2110	2049	2015
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.70	0.94	0.73	1.66	601.69	7.75
Total PPM	0.11395	0.15963	0.06524	0.14111	0.12951	100.00
Diameter (um)						
0.76						
0.87	0.00222	0.00278	0.00114	0.00266	0.00210	3.02
1.00	0.00254	0.00338	0.00131	0.00262	0.00238	3.24
1.15	0.00299	0.00417	0.00155	0.00288	0.00275	3.54
1.32	0.00351	0.00503	0.00177	0.00322	0.00306	3.84
1.52	0.00414	0.00596	0.00205	0.00350	0.00331	4.04
1.74	0.00473	0.00680	0.00232	0.00374	0.00346	4.20
2.00	0.00531	0.00748	0.00249	0.00394	0.00357	4.29
2.30	0.00569	0.00826	0.00266	0.00395	0.00356	4.23
2.64	0.00610	0.00881	0.00292	0.00444	0.00376	4.34
3.03	0.00642	0.00955	0.00326	0.00474	0.00374	4.24
3.48	0.00669	0.01016	0.00367	0.00488	0.00414	4.16
4.00	0.00744	0.01063	0.00345	0.00520	0.00440	4.29
4.59	0.00762	0.01031	0.00354	0.00542	0.00474	4.02
5.28	0.00817	0.01076	0.00372	0.00601	0.00519	3.92
6.06	0.00827	0.01085	0.00394	0.00669	0.00592	3.83
6.96	0.00812	0.01074	0.00399	0.00720	0.00669	3.87
8.00	0.00783	0.01043	0.00411	0.00784	0.00790	3.82
9.19	0.00585	0.00790	0.00419	0.00839	0.00918	3.83
10.56	0.00406	0.00590	0.00383	0.00898	0.01000	3.76
12.13	0.00272	0.00402	0.00345	0.00947	0.01021	3.59
13.93	0.00166	0.00263	0.00246	0.00994	0.00941	3.56
16.00	0.00102	0.00178	0.00172	0.00989	0.00646	3.32
18.38	0.00059	0.00087	0.00108	0.00770	0.00392	2.84
21.11	0.00027	0.00043	0.00053	0.00539	0.00234	2.47
24.25	..	..	0.00010	0.00216	0.00109	2.35
27.86	..	..	..	0.00027	0.00081	1.98
32.00	..	..	..	..	0.00106	1.77
36.76	..	..	..	..	0.00092	1.52
42.22	..	..	..	..	0.00078	1.35
48.50	..	..	..	..	0.00134	0.78
55.72	..	..	..	..	0.00132	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 23. DIGS, raw data: Station W1, Mission 1998-015

Station	**HW1**	**HW1**	**HW1**	**HW1**	**HW1**	**HW1**
Depth (m)	1	25	50	70	75	75
Time GMT	121	121	121	121	105	19
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	1.79	1.40	3.51	0.45	22.00	0.24
Total PPM	0.17741	0.14348	0.05807	0.08797	0.05812	100.00
Diameter (um)						
0.76						
0.87	0.00282	0.00172	0.00101	0.00160	0.00153	2.80
1.00	0.00340	0.00214	0.00110	0.00161	0.00185	3.16
1.15	0.00421	0.00272	0.00124	0.00157	0.00220	3.60
1.32	0.00509	0.00340	0.00139	0.00174	0.00250	4.00
1.52	0.00611	0.00413	0.00149	0.00184	0.00268	4.33
1.74	0.00719	0.00481	0.00163	0.00200	0.00288	4.53
2.00	0.00841	0.00556	0.00176	0.00214	0.00296	4.59
2.30	0.00914	0.00595	0.00189	0.00224	0.00309	4.74
2.64	0.00957	0.00701	0.00204	0.00240	0.00314	4.62
3.03	0.01031	0.00740	0.00238	0.00265	0.00311	4.99
3.48	0.01085	0.00895	0.00245	0.00269	0.00358	4.67
4.00	0.01188	0.00885	0.00260	0.00284	0.00352	4.49
4.59	0.01308	0.00935	0.00263	0.00298	0.00352	4.26
5.28	0.01368	0.01006	0.00280	0.00338	0.00370	4.24
6.06	0.01352	0.01036	0.00310	0.00380	0.00376	4.24
6.96	0.01293	0.01053	0.00347	0.00423	0.00356	4.24
8.00	0.01171	0.01072	0.00383	0.00485	0.00307	4.04
9.19	0.00809	0.00876	0.00433	0.00552	0.00226	3.76
10.56	0.00538	0.00684	0.00444	0.00612	0.00186	3.57
12.13	0.00354	0.00534	0.00406	0.00664	0.00138	3.36
13.93	0.00261	0.00400	0.00340	0.00706	0.00088	2.91
16.00	0.00210	0.00279	0.00225	0.00702	0.00074	2.80
18.38	0.00107	0.00126	0.00129	0.00580	0.00037	2.49
21.11	0.00046	0.00082	0.00071	0.00346	..	2.10
24.25	0.00026	..	0.00051	0.00145	..	1.96
27.86	..	..	0.00028	0.00035	..	2.00
32.00	..	..	..	..	..	1.40
36.76	..	..	..	..	..	1.24
42.22	..	..	..	..	..	0.86
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 24. DIGS, raw data: Station W2, Mission 1998-015

Station	HW2	HW2	HW2	HW2	HW2	HW2
Depth (m)	1	25	50	72	79	79
Time GMT	406	406	406	406	427	343
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.29	0.19	0.23	1.15	11.64	0.35
Total PPM	0.16762	0.18646	0.06691	0.13640	0.06907	100.00
Diameter (um)						
0.76						
0.87	0.00283	0.00293	0.00083	0.00158	0.00180	1.89
1.00	0.00332	0.00349	0.00093	0.00179	0.00207	2.13
1.15	0.00392	0.00425	0.00108	0.00204	0.00237	2.45
1.32	0.00475	0.00509	0.00127	0.00235	0.00269	2.76
1.52	0.00562	0.00601	0.00144	0.00258	0.00287	3.08
1.74	0.00664	0.00682	0.00160	0.00279	0.00307	3.38
2.00	0.00758	0.00800	0.00172	0.00296	0.00316	3.65
2.30	0.00798	0.00901	0.00190	0.00310	0.00316	3.77
2.64	0.00822	0.00976	0.00205	0.00339	0.00348	3.93
3.03	0.00933	0.01023	0.00226	0.00372	0.00361	3.96
3.48	0.00967	0.01127	0.00250	0.00395	0.00381	4.09
4.00	0.01081	0.01142	0.00258	0.00437	0.00389	3.98
4.59	0.01182	0.01264	0.00273	0.00474	0.00385	3.62
5.28	0.01287	0.01425	0.00300	0.00527	0.00396	3.53
6.06	0.01299	0.01495	0.00329	0.00587	0.00401	3.37
6.96	0.01301	0.01494	0.00357	0.00631	0.00382	3.20
8.00	0.01137	0.01395	0.00394	0.00660	0.00330	3.14
9.19	0.00813	0.01022	0.00443	0.00700	0.00277	2.79
10.56	0.00539	0.00677	0.00473	0.00740	0.00209	2.50
12.13	0.00352	0.00423	0.00512	0.00776	0.00151	2.40
13.93	0.00264	0.00283	0.00505	0.00871	0.00106	2.36
16.00	0.00186	0.00215	0.00451	0.00920	0.00076	2.52
18.38	0.00108	0.00107	0.00331	0.00884	0.00046	2.23
21.11	0.00114	0.00022	0.00178	0.00981	0.00028	2.19
24.25	0.00056	..	0.00090	0.00773	0.00027	2.13
27.86	0.00058	..	0.00024	0.00456	0.00033	2.20
32.00	..	..	0.00016	0.00140	0.00042	1.77
36.76	..	..	..	0.00058	0.00054	2.57
42.22	..	..	..	..	0.00079	4.62
48.50	..	..	..	..	0.00073	4.61
55.72	..	..	..	..	0.00078	3.72
64.00	..	..	..	..	0.00118	3.10
73.52	..	..	..	..	0.00018	2.36
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 25. DIGS, raw data: Station W3, Mission 1998-015

Station	HW3	HW3	HW3	HW3	HW3	HW3
Depth (m)	1	25	50	74	77	79
Time GMT	659	659	659	659	633	608
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.29	1.19	0.30	1.57	17.69	0.24
Total PPM	0.15628	0.12207	0.04553	0.12328	0.23414	100.00
Diameter (um)						
0.76	0.00116	0.00121	0.00071	0.00277		
0.87	0.00148	0.00151	0.00083	0.00258	0.00478	2.90
1.00	0.00185	0.00198	0.00097	0.00263	0.00518	3.31
1.15	0.00242	0.00249	0.00113	0.00281	0.00581	3.80
1.32	0.00293	0.00305	0.00129	0.00299	0.00635	4.31
1.52	0.00353	0.00357	0.00140	0.00303	0.00689	4.56
1.74	0.00401	0.00403	0.00151	0.00313	0.00733	4.83
2.00	0.00463	0.00448	0.00160	0.00329	0.00736	4.97
2.30	0.00521	0.00491	0.00170	0.00344	0.00784	5.10
2.64	0.00544	0.00542	0.00179	0.00357	0.00871	5.23
3.03	0.00617	0.00642	0.00198	0.00391	0.00863	5.13
3.48	0.00615	0.00619	0.00207	0.00392	0.00917	4.90
4.00	0.00577	0.00609	0.00184	0.00430	0.00946	4.66
4.59	0.01149	0.00847	0.00230	0.00424	0.00995	4.47
5.28	0.01182	0.00838	0.00237	0.00454	0.01130	4.42
6.06	0.01268	0.00901	0.00255	0.00501	0.01320	4.54
6.96	0.01291	0.00918	0.00263	0.00557	0.01522	4.38
8.00	0.01257	0.00893	0.00268	0.00597	0.01643	4.06
9.19	0.01142	0.00823	0.00264	0.00618	0.01628	3.85
10.56	0.00810	0.00633	0.00248	0.00633	0.01548	3.53
12.13	0.00545	0.00431	0.00231	0.00675	0.01370	3.34
13.93	0.00477	0.00303	0.00188	0.00704	0.01063	2.85
16.00	0.00389	0.00217	0.00157	0.00710	0.00842	2.47
18.38	0.00284	0.00129	0.00124	0.00688	0.00555	2.35
21.11	0.00202	0.00095	0.00095	0.00608	0.00404	1.74
24.25	0.00128	0.00042	0.00057	0.00492	0.00287	1.16
27.86	0.00146	..	0.00031	0.00225	0.00194	1.17
32.00	0.00107	..	0.00020	0.00113	0.00162	1.13
36.76	0.00174	..	..	0.00053	..	0.84
42.22	..	..	..	0.00032	..	..
48.50	..	..	..	0.00008	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 26. DIGS, raw data: Station W4, Mission 1998-015

Station	**HW4**	**HW4**	**HW4**	**HW4**	**HW4**	**HW4**
Depth (m)	1	25	50	65	77	77
Time GMT	443	443	443	443	542	421
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.23	0.23	0.30	0.19	23.28	0.33
Total PPM	0.14434	0.13984	0.04262	0.20566	0.13751	100.00
Diameter (um)						
0.76	0.00138	0.00135	0.00077	0.00131		
0.87	0.00177	0.00171	0.00094	0.00148	0.00301	2.19
1.00	0.00226	0.00225	0.00113	0.00168	0.00327	2.48
1.15	0.00281	0.00279	0.00147	0.00192	0.00357	2.84
1.32	0.00345	0.00344	0.00170	0.00212	0.00391	3.22
1.52	0.00414	0.00414	0.00177	0.00238	0.00420	3.57
1.74	0.00477	0.00462	0.00184	0.00261	0.00436	3.75
2.00	0.00537	0.00510	0.00192	0.00276	0.00454	4.06
2.30	0.00594	0.00581	0.00197	0.00313	0.00456	4.19
2.64	0.00652	0.00656	0.00217	0.00334	0.00493	4.32
3.03	0.00723	0.00777	0.00226	0.00350	0.00498	4.37
3.48	0.00700	0.00778	0.00223	0.00354	0.00523	4.58
4.00	0.00732	0.00730	0.00217	0.00425	0.00582	4.75
4.59	0.01031	0.00962	0.00200	0.00475	0.00597	4.65
5.28	0.01037	0.00951	0.00205	0.00519	0.00658	4.68
6.06	0.01085	0.01013	0.00224	0.00570	0.00712	4.71
6.96	0.01073	0.01049	0.00244	0.00638	0.00758	4.58
8.00	0.01007	0.01017	0.00238	0.00682	0.00781	4.34
9.19	0.00919	0.00935	0.00223	0.00723	0.00812	4.20
10.56	0.00649	0.00697	0.00186	0.00768	0.00768	3.91
12.13	0.00470	0.00482	0.00134	0.00841	0.00709	3.43
13.93	0.00359	0.00335	0.00083	0.00917	0.00630	3.51
16.00	0.00300	0.00242	0.00062	0.00973	0.00611	3.10
18.38	0.00223	0.00152	0.00050	0.01083	0.00525	2.98
21.11	0.00157	0.00086	0.00050	0.01200	0.00429	2.52
24.25	0.00081	..	0.00034	0.01360	0.00350	2.90
27.86	0.00044	..	0.00030	0.01460	0.00172	2.08
32.00	..	..	0.00037	0.01469	..	2.32
36.76	..	..	0.00028	0.01287	..	1.76
42.22	..	..	..	0.01027	..	..
48.50	..	..	..	0.00609	..	..
55.72	..	..	..	0.00437	..	..
64.00	..	..	..	0.00131	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 27. DIGS, raw data: Station W5, Mission 1998-015

Station	**HW5**	**HW5**	**HW5**	**HW5**	**HW5**	**HW5**
Depth (m)	1	25	50	67	71	71
Time GMT	249	249	249	249	226	154
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.59	0.17	0.40	0.76	5.15	0.22
Total PPM	0.16567	0.15597	0.04956	0.38315	0.12843	100.00
Diameter (um)						
0.76	0.00153	0.00154	0.00061	0.00175		
0.87	0.00182	0.00189	0.00073	0.00185	0.00228	1.68
1.00	0.00225	0.00235	0.00088	0.00198	0.00262	1.71
1.15	0.00274	0.00296	0.00105	0.00217	0.00294	1.80
1.32	0.00324	0.00345	0.00117	0.00230	0.00325	2.00
1.52	0.00379	0.00414	0.00131	0.00244	0.00350	2.15
1.74	0.00414	0.00454	0.00145	0.00268	0.00361	2.27
2.00	0.00466	0.00504	0.00159	0.00281	0.00368	2.37
2.30	0.00513	0.00567	0.00182	0.00301	0.00381	2.44
2.64	0.00539	0.00639	0.00196	0.00330	0.00380	2.69
3.03	0.00602	0.00716	0.00226	0.00370	0.00417	2.75
3.48	0.00687	0.00722	0.00200	0.00418	0.00448	2.91
4.00	0.00611	0.00749	0.00232	0.00483	0.00437	3.00
4.59	0.00845	0.00916	0.00281	0.00537	0.00462	3.13
5.28	0.00853	0.00927	0.00290	0.00590	0.00513	3.34
6.06	0.00923	0.01022	0.00313	0.00684	0.00583	3.73
6.96	0.00955	0.01083	0.00338	0.00794	0.00618	4.12
8.00	0.00981	0.01090	0.00354	0.00938	0.00700	4.49
9.19	0.00925	0.01033	0.00350	0.01100	0.00749	4.90
10.56	0.00775	0.00906	0.00334	0.01236	0.00824	5.20
12.13	0.00655	0.00792	0.00282	0.01390	0.00890	5.37
13.93	0.00591	0.00635	0.00204	0.01597	0.00852	5.23
16.00	0.00409	0.00513	0.00151	0.01838	0.00806	5.21
18.38	0.00343	0.00355	0.00084	0.02076	0.00683	4.36
21.11	0.00264	0.00192	0.00047	0.02523	0.00451	4.58
24.25	0.00141	0.00089	0.00015	0.02805	0.00233	3.99
27.86	0.00079	0.00032	..	0.03071	0.00141	4.05
32.00	0.00086	0.00028	..	0.03220	0.00085	3.39
36.76	0.00125	..	..	0.03024	..	3.33
42.22	0.00156	..	..	0.02516	..	1.72
48.50	0.00291	..	..	0.02137	..	1.40
55.72	0.00425	..	..	0.01392	..	0.70
64.00	0.00703	..	..	0.00937	..	..
73.52	0.00405	..	..	0.00211	..	..
84.45	0.00266	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 28. DIGS, raw data: Station W6, Mission 1998-015

Station	**HW6**	**HW6**	**HW6**	**HW6**	**HW6**	**HW6**
Depth (m)	1	25		65	74	74
Time GMT	2341	2341		2341	56	2314
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.15	0.17		0.29	0.79	4.17
Total PPM	0.27270	0.65443		0.07511	0.16229	100.00
Diameter (um)						
0.76	0.00230		..			
0.87	0.00274	0.00282	..	0.00119	0.00265	2.12
1.00	0.00347	0.00347	..	0.00123	0.00306	2.30
1.15	0.00411	0.00442	..	0.00132	0.00360	2.58
1.32	0.00476	0.00555	..	0.00144	0.00418	2.81
1.52	0.00541	0.00676	..	0.00160	0.00483	2.99
1.74	0.00625	0.00822	..	0.00177	0.00535	3.16
2.00	0.00698	0.00975	..	0.00184	0.00574	3.28
2.30	0.00749	0.01119	..	0.00204	0.00630	3.39
2.64	0.00841	0.01281	..	0.00228	0.00672	3.59
3.03	0.00876	0.01451	..	0.00237	0.00737	3.66
3.48	0.00973	0.01526	..	0.00253	0.00845	3.72
4.00	0.01069	0.01765	..	0.00267	0.00887	3.72
4.59	0.01247	0.01910	..	0.00270	0.00893	3.83
5.28	0.01293	0.02135	..	0.00287	0.00943	4.02
6.06	0.01362	0.02368	..	0.00304	0.00973	4.15
6.96	0.01429	0.02520	..	0.00330	0.00982	4.24
8.00	0.01482	0.02590	..	0.00344	0.00953	4.30
9.19	0.01436	0.02561	..	0.00368	0.00846	4.22
10.56	0.01287	0.02413	..	0.00394	0.00692	4.18
12.13	0.01259	0.02329	..	0.00441	0.00610	4.18
13.93	0.01286	0.02492	..	0.00489	0.00514	4.33
16.00	0.01348	0.02733	..	0.00531	0.00466	3.96
18.38	0.01477	0.03210	..	0.00551	0.00343	3.89
21.11	0.01397	0.03627	..	0.00484	0.00306	3.51
24.25	0.01183	0.03756	..	0.00322	0.00330	3.26
27.86	0.00818	0.03805	..	0.00141	0.00305	2.15
32.00	0.00487	0.03909	..	0.00026	0.00217	2.43
36.76	0.00251	0.03705	..	..	0.00143	1.80
42.22	0.00081	0.03328	..	..	..	1.62
48.50	0.00035	0.02407	..	..	..	1.69
55.72	..	0.01543	..	..	..	0.91
64.00	..	0.00589	..	..	..	..
73.52	..	0.00271	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 29. DIGS, raw data: Station E0, Mission 1998-015

Station	HE0	HE0	HE0	HE0	HE0	HE0
Depth (m)	1	25	50	70	78	78
Time GMT	niskin	niskin	niskin	niskin	CABLE	slurp
Sampler	1913	1913	1913	1913	1900	1837
Total SPM	0.46	0.65	0.42	0.50	1.46	34.15
Total PPM	0.13401	0.12265	0.01958	0.05969	0.08208	100.00
Diameter (um)						
0.76						
0.87	0.00192	0.00170	0.00043	0.00137	0.00221	3.77
1.00	0.00244	0.00212	0.00048	0.00162	0.00267	4.00
1.15	0.00305	0.00264	0.00055	0.00190	0.00309	4.31
1.32	0.00379	0.00326	0.00061	0.00218	0.00350	4.58
1.52	0.00453	0.00389	0.00069	0.00241	0.00383	4.86
1.74	0.00529	0.00462	0.00073	0.00259	0.00400	5.12
2.00	0.00597	0.00524	0.00076	0.00269	0.00416	5.22
2.30	0.00656	0.00574	0.00080	0.00282	0.00439	5.19
2.64	0.00702	0.00625	0.00091	0.00292	0.00468	5.20
3.03	0.00744	0.00685	0.00096	0.00316	0.00474	5.18
3.48	0.00809	0.00753	0.00104	0.00346	0.00512	5.01
4.00	0.00860	0.00733	0.00097	0.00361	0.00443	5.06
4.59	0.00924	0.00778	0.00100	0.00365	0.00476	4.69
5.28	0.00991	0.00845	0.00107	0.00382	0.00461	4.44
6.06	0.01037	0.00904	0.00114	0.00383	0.00446	4.17
6.96	0.01072	0.00934	0.00119	0.00378	0.00413	3.88
8.00	0.01034	0.00940	0.00116	0.00359	0.00366	3.53
9.19	0.00767	0.00768	0.00109	0.00307	0.00299	3.12
10.56	0.00471	0.00545	0.00094	0.00246	0.00260	2.85
12.13	0.00277	0.00345	0.00079	0.00181	0.00219	2.53
13.93	0.00180	0.00234	0.00059	0.00130	0.00174	2.38
16.00	0.00107	0.00154	0.00046	0.00082	0.00130	2.02
18.38	0.00054	0.00071	0.00042	0.00048	0.00113	1.77
21.11	0.00018	0.00031	0.00034	0.00025	0.00107	1.65
24.25	..	..	0.00025	0.00010	0.00062	1.39
27.86	..	..	0.00013	..	..	1.02
32.00	..	..	0.00007	..	..	1.18
36.76	..	..	..	..	..	1.30
42.22	..	..	..	..	..	0.57
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 30. DIGS, raw data: Station E1, Mission 1998-015

Station	**HE1**	**HE1**	**HE1**	**HE1**	**HE1**	**HE1**
Depth (m)	1	25	50	70	77	77
Time GMT	niskin	niskin	niskin	niskin	CABLE	slurp
Sampler	1640	1640	1640	1640	1710	1619
Total SPM	0.43	0.38	0.16	0.32	0.32	3.52
Total PPM	0.17148	0.13491	0.04224	0.07534	0.06844	100.00
Diameter (um)						
0.76						
0.87	0.00221	0.00210	0.00063	0.00180	0.00195	1.96
1.00	0.00272	0.00273	0.00075	0.00213	0.00232	2.20
1.15	0.00342	0.00359	0.00089	0.00253	0.00273	2.54
1.32	0.00412	0.00463	0.00105	0.00291	0.00306	2.89
1.52	0.00497	0.00568	0.00119	0.00320	0.00336	3.16
1.74	0.00587	0.00653	0.00137	0.00346	0.00356	3.45
2.00	0.00664	0.00644	0.00148	0.00371	0.00373	3.68
2.30	0.00735	0.00630	0.00165	0.00391	0.00388	3.97
2.64	0.00825	0.00700	0.00193	0.00413	0.00405	4.12
3.03	0.00916	0.00762	0.00205	0.00433	0.00440	4.11
3.48	0.00956	0.00825	0.00238	0.00464	0.00449	3.92
4.00	0.01010	0.00779	0.00247	0.00427	0.00444	3.84
4.59	0.01083	0.00804	0.00244	0.00422	0.00398	3.67
5.28	0.01209	0.00871	0.00261	0.00432	0.00387	3.62
6.06	0.01307	0.00924	0.00276	0.00434	0.00370	3.68
6.96	0.01379	0.00943	0.00278	0.00434	0.00328	3.64
8.00	0.01395	0.00984	0.00280	0.00397	0.00281	3.57
9.19	0.01108	0.00777	0.00247	0.00346	0.00223	3.46
10.56	0.00751	0.00511	0.00215	0.00275	0.00192	3.30
12.13	0.00460	0.00319	0.00172	0.00203	0.00159	3.06
13.93	0.00283	0.00217	0.00141	0.00161	0.00108	2.94
16.00	0.00230	0.00142	0.00111	0.00106	0.00084	2.63
18.38	0.00143	0.00081	0.00093	0.00077	0.00073	2.31
21.11	0.00096	0.00051	0.00077	0.00052	0.00044	2.01
24.25	0.00086	..	0.00045	0.00040	..	1.87
27.86	0.00081	..	..	0.00029	..	2.08
32.00	0.00099	..	..	0.00025	..	2.58
36.76	..	..	..	..	..	2.45
42.22	..	..	..	..	..	2.71
48.50	..	..	..	..	..	3.12
55.72	..	..	..	..	..	2.94
64.00	..	..	..	..	..	3.22
73.52	..	..	..	..	..	1.30
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 31. DIGS, raw data: Station E2, Mission 1998-015

Station	**HE2**	**HE2**	**HE2**	**HE2**	**HE2**	**HE2**
Depth (m)	1	25	50	75	74	75
Time GMT	niskin	niskin	niskin	niskin	CABLE	slurp
Sampler	1433	1433	1433	1356	1418	1356
Total SPM	0.43	0.41	0.29	0.40	0.97	4.62
Total PPM	0.15253	0.11095	0.03769	2.37648	0.07720	100.00
Diameter (um)						
0.76						
0.87	0.00271	0.00195	0.00066	0.05490		2.62
1.00	0.00338	0.00238	0.00087	0.06130	0.00245	3.10
1.15	0.00426	0.00299	0.00103	0.06938	0.00285	3.66
1.32	0.00526	0.00364	0.00117	0.07827	0.00327	4.09
1.52	0.00623	0.00432	0.00139	0.08687	0.00354	4.55
1.74	0.00707	0.00500	0.00183	0.09507	0.00377	4.81
2.00	0.00790	0.00563	0.00166	0.10353	0.00376	4.95
2.30	0.00891	0.00609	0.00167	0.11239	0.00389	5.14
2.64	0.00942	0.00666	0.00182	0.11832	0.00403	5.54
3.03	0.00959	0.00728	0.00203	0.12665	0.00410	5.52
3.48	0.01040	0.00807	0.00221	0.13166	0.00407	6.14
4.00	0.01123	0.00855	0.00241	0.13795	0.00422	5.89
4.59	0.01069	0.00746	0.00246	0.13740	0.00376	5.54
5.28	0.00944	0.00675	0.00271	0.14178	0.00377	5.48
6.06	0.00973	0.00711	0.00284	0.14222	0.00363	5.42
6.96	0.00979	0.00724	0.00271	0.13860	0.00346	4.95
8.00	0.00929	0.00709	0.00240	0.13037	0.00318	4.39
9.19	0.00687	0.00534	0.00199	0.11045	0.00274	3.69
10.56	0.00434	0.00345	0.00148	0.08692	0.00245	3.21
12.13	0.00277	0.00190	0.00104	0.06424	0.00240	2.49
13.93	0.00170	0.00116	0.00067	0.04866	0.00227	2.06
16.00	0.00104	0.00064	0.00046	0.03912	0.00188	1.47
18.38	0.00053	0.00024	0.00018	0.03412	0.00160	1.47
21.11	..	..	..	0.02939	0.00161	1.14
24.25	..	..	..	0.02220	0.00177	1.18
27.86	..	..	..	0.02420	0.00126	0.93
32.00	..	..	..	0.01564	0.00080	0.57
36.76	..	..	..	0.02460	0.00067	..
42.22	..	..	..	0.01029	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 32. DIGS, raw data: Station E3, Mission 1998-015

Station	HE3	HE3	HE3	HE3	HE3	HE3
Depth (m)	1	25	50	71	78	78
Time GMT	niskin	niskin	niskin	niskin	CABLE	slurp
Sampler	1117	1117	1117	1117	1145	1047
Total SPM	1.21	0.61	0.51	0.50	3.04	3.26
Total PPM	0.08799	0.09141	0.08730	0.08185	0.24608	100.00
Diameter (um)						
0.76						
0.87	0.00135	0.00112	0.00227		0.00440	3.39
1.00	0.00175	0.00139	0.00274	0.00253	0.00560	3.75
1.15	0.00223	0.00170	0.00322	0.00289	0.00678	4.21
1.32	0.00278	0.00204	0.00364	0.00325	0.00794	4.60
1.52	0.00331	0.00240	0.00399	0.00354	0.00945	4.92
1.74	0.00376	0.00277	0.00425	0.00374	0.01149	5.09
2.00	0.00419	0.00318	0.00451	0.00384	0.01267	5.15
2.30	0.00459	0.00360	0.00452	0.00400	0.01335	5.30
2.64	0.00486	0.00402	0.00481	0.00433	0.01439	5.38
3.03	0.00541	0.00455	0.00520	0.00464	0.01514	5.40
3.48	0.00593	0.00512	0.00557	0.00480	0.01619	5.34
4.00	0.00553	0.00567	0.00554	0.00461	0.01574	5.25
4.59	0.00578	0.00541	0.00504	0.00441	0.01641	4.55
5.28	0.00627	0.00580	0.00451	0.00462	0.01756	4.20
6.06	0.00661	0.00602	0.00480	0.00497	0.01789	3.89
6.96	0.00650	0.00591	0.00489	0.00521	0.01785	3.69
8.00	0.00625	0.00552	0.00471	0.00504	0.01716	3.46
9.19	0.00458	0.00515	0.00408	0.00450	0.01171	3.19
10.56	0.00277	0.00426	0.00332	0.00378	0.00660	2.86
12.13	0.00178	0.00345	0.00236	0.00282	0.00377	2.70
13.93	0.00110	0.00291	0.00159	0.00192	0.00223	2.49
16.00	0.00065	0.00257	0.00092	0.00124	0.00109	2.27
18.38	..	0.00280	0.00053	0.00068	0.00068	2.23
21.11	..	0.00194	0.00031	0.00033	..	1.79
24.25	..	0.00123	..	0.00015	..	1.38
27.86	..	0.00090	..	..	..	1.34
32.00	..	..	..	..	..	0.92
36.76	..	..	..	..	..	0.79
42.22	..	..	..	..	..	0.50
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 33. DIGS, raw data: Station E4, Mission 1998-015

Station	HE4	HE4	HE4	HE4	HE4	HE4
Depth (m)	1	25	50	70	82	82
Time GMT	niskin	niskin	niskin	niskin	CABLE	slurp
Sampler	846	846	846	846	913	820
Total SPM	0.79	0.63	0.45	0.78	5.04	5.11
Total PPM	0.09823	0.06010	0.04616	0.08244	0.07407	100.00
Diameter (um)						
0.76						
0.87					0.00225	3.74
1.00	0.00200	0.00104		0.00277	0.00266	4.24
1.15	0.00246	0.00126		0.00324	0.00306	4.77
1.32	0.00301	0.00150	0.00195	0.00367	0.00338	5.25
1.52	0.00356	0.00171	0.00313	0.00403	0.00371	5.62
1.74	0.00397	0.00191	0.00357	0.00419	0.00386	5.81
2.00	0.00440	0.00204	0.00217	0.00442	0.00386	5.83
2.30	0.00482	0.00220	0.00212	0.00463	0.00398	5.69
2.64	0.00549	0.00253	0.00215	0.00489	0.00416	5.93
3.03	0.00607	0.00290	0.00217	0.00519	0.00421	5.71
3.48	0.00692	0.00304	0.00204	0.00515	0.00422	5.62
4.00	0.00672	0.00315	0.00202	0.00547	0.00421	5.58
4.59	0.00550	0.00355	0.00202	0.00474	0.00411	4.93
5.28	0.00597	0.00379	0.00207	0.00456	0.00426	4.44
6.06	0.00653	0.00426	0.00216	0.00437	0.00429	3.94
6.96	0.00684	0.00459	0.00236	0.00439	0.00406	3.42
8.00	0.00700	0.00475	0.00229	0.00409	0.00361	2.86
9.19	0.00664	0.00456	0.00218	0.00357	0.00312	2.35
10.56	0.00452	0.00369	0.00187	0.00301	0.00230	2.03
12.13	0.00272	0.00284	0.00164	0.00214	0.00171	1.56
13.93	0.00152	0.00210	0.00148	0.00166	0.00130	1.30
16.00	0.00084	0.00147	0.00113	0.00114	0.00073	1.00
18.38	0.00046	0.00084	0.00107	0.00061	0.00058	0.94
21.11	0.00026	0.00037	0.00092	0.00039	0.00046	0.63
24.25	..	..	0.00070	0.00011	..	0.57
27.86	..	..	0.00054	..	..	0.68
32.00	..	..	0.00108	..	..	0.79
36.76	..	..	0.00062	..	..	0.64
42.22	..	..	0.00039	..	..	0.90
48.50	..	..	0.00034	..	..	1.59
55.72	..	..	..	..	..	1.67
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 34. DIGS, raw data: Station E5, Mission 1998-015

Station	**HE5**	**HE5**	**HE5**	**HE5**	**HE5**	**HE5**
Depth (m)	1	25	50	75	91	91
Time GMT	niskin	niskin	niskin	niskin	CABLE	slurp
Sampler	450	450	450	450	517	429
Total SPM	0.35	0.57	0.28	1.65	0.40	5.51
Total PPM	0.06236	0.11890	0.02498	0.10158	0.08451	100.00
Diameter (um)						
0.76						
0.87					0.00261	2.43
1.00	0.00206	0.00521	0.00070	0.00262	0.00306	2.75
1.15	0.00249	0.00540	0.00081	0.00295	0.00353	3.12
1.32	0.00277	0.00548	0.00091	0.00324	0.00396	3.47
1.52	0.00299	0.00565	0.00098	0.00346	0.00430	3.72
1.74	0.00310	0.00569	0.00101	0.00359	0.00453	3.95
2.00	0.00316	0.00590	0.00110	0.00370	0.00471	4.08
2.30	0.00319	0.00612	0.00112	0.00389	0.00496	4.08
2.64	0.00333	0.00650	0.00127	0.00389	0.00496	4.22
3.03	0.00344	0.00744	0.00127	0.00407	0.00533	4.19
3.48	0.00363	0.00777	0.00135	0.00405	0.00528	4.03
4.00	0.00347	0.00767	0.00148	0.00408	0.00514	3.76
4.59	0.00333	0.00597	0.00144	0.00372	0.00455	3.60
5.28	0.00349	0.00617	0.00156	0.00364	0.00437	3.73
6.06	0.00370	0.00668	0.00164	0.00376	0.00411	3.96
6.96	0.00375	0.00700	0.00165	0.00391	0.00375	4.34
8.00	0.00359	0.00669	0.00165	0.00405	0.00332	4.44
9.19	0.00317	0.00592	0.00150	0.00442	0.00279	4.37
10.56	0.00250	0.00434	0.00121	0.00482	0.00214	4.10
12.13	0.00189	0.00294	0.00098	0.00546	0.00178	3.94
13.93	0.00133	0.00190	0.00069	0.00615	0.00143	3.86
16.00	0.00089	0.00124	0.00040	0.00654	0.00136	3.35
18.38	0.00055	0.00067	0.00028	0.00575	0.00109	2.83
21.11	0.00031	0.00032	..	0.00407	0.00095	2.17
24.25	0.00013	0.00024	..	0.00328	0.00050	2.42
27.86	0.00008	..	..	0.00188	..	2.48
32.00	..	..	..	0.00058	..	2.10
36.76	..	..	..	..	..	3.23
42.22	..	..	..	..	..	1.27
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 35. DIGS, raw data: Station E6, Mission 1998-015

Station	**HE6**	**HE6**	**HE6**	**HE6**	**HE6**	**HE6**
Depth (m)	1	25	50	75	95	95
Time GMT	niskin	niskin	niskin	niskin	CABLE	slurp
Sampler	331	331	331	331	314	246
Total SPM	0.71	0.75	0.80	1.42	2.90	0.71
Total PPM	0.03217	0.04429	0.01931	0.08570	0.09135	100.00
Diameter (um)						
0.76						
0.87	0.00087	0.00087	0.00047	0.00177	0.00275	2.23
1.00	0.00104	0.00107	0.00057	0.00211	0.00317	2.57
1.15	0.00121	0.00125	0.00065	0.00241	0.00359	2.97
1.32	0.00136	0.00141	0.00074	0.00270	0.00381	3.35
1.52	0.00142	0.00154	0.00080	0.00291	0.00400	3.79
1.74	0.00146	0.00159	0.00086	0.00302	0.00403	4.07
2.00	0.00151	0.00166	0.00084	0.00306	0.00399	4.40
2.30	0.00157	0.00176	0.00089	0.00311	0.00380	4.53
2.64	0.00157	0.00185	0.00088	0.00326	0.00400	4.64
3.03	0.00168	0.00192	0.00096	0.00344	0.00386	4.73
3.48	0.00184	0.00209	0.00107	0.00351	0.00365	4.41
4.00	0.00189	0.00184	0.00107	0.00358	0.00417	4.52
4.59	0.00194	0.00199	0.00109	0.00378	0.00434	4.09
5.28	0.00216	0.00226	0.00119	0.00395	0.00461	3.95
6.06	0.00224	0.00252	0.00125	0.00422	0.00475	3.91
6.96	0.00213	0.00281	0.00123	0.00443	0.00468	3.92
8.00	0.00192	0.00287	0.00123	0.00458	0.00447	3.97
9.19	0.00151	0.00276	0.00102	0.00457	0.00394	4.03
10.56	0.00112	0.00264	0.00078	0.00452	0.00310	4.04
12.13	0.00078	0.00255	0.00066	0.00440	0.00275	3.84
13.93	0.00048	0.00208	0.00043	0.00395	0.00202	3.61
16.00	0.00031	0.00145	0.00029	0.00341	0.00159	3.16
18.38	0.00017	0.00088	0.00023	0.00290	0.00116	3.09
21.11	..	0.00046	0.00009	0.00228	0.00126	2.61
24.25	..	0.00018	..	0.00155	0.00104	2.50
27.86	..	..	..	0.00125	0.00101	1.69
32.00	..	..	..	0.00076	0.00113	1.55
36.76	..	..	..	0.00026	0.00127	1.48
42.22	..	..	..	..	0.00082	1.57
48.50	..	..	..	..	0.00048	0.81
55.72	..	..	..	..	0.00050	..
64.00	..	..	..	..	0.00073	..
73.52	..	..	..	..	0.00086	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 36. DIGS, raw data: Station HAS01-01, Mission 1998-015

Station	HAS1.01	HAS1.01	HAS1.01	HAS1.01	HAS1.01	HAS1.01	HAS1.01	HAS1.01
Water Depth	1	25	50	70	75	(0.35-0.50)	(0.05-0.25)	75
Time GMT	2305	2305	2305	2305	2334	2351	2351	2245
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM	0.51	0.33	1.32	0.43	2.38	7.52	1.77	6.63
Total PPM	0.10024	0.08329	0.03492	0.05748	0.12749	1.09826	1.93089	100.00
Diameter (um)								
0.76								
0.87	0.00184	0.00142	0.00079	0.00166	0.00316			3.18
1.00	0.00230	0.00179	0.00092	0.00200	0.00364	0.00958	0.01034	3.58
1.15	0.00286	0.00226	0.00106	0.00235	0.00410	0.00967	0.01054	4.04
1.32	0.00349	0.00274	0.00124	0.00266	0.00450	0.00981	0.01073	4.54
1.52	0.00402	0.00320	0.00130	0.00283	0.00485	0.01005	0.01084	4.99
1.74	0.00462	0.00361	0.00137	0.00295	0.00509	0.01020	0.01102	5.46
2.00	0.00497	0.00404	0.00141	0.00298	0.00522	0.01050	0.01108	5.61
2.30	0.00554	0.00432	0.00150	0.00305	0.00512	0.01152	0.01031	5.92
2.64	0.00589	0.00448	0.00159	0.00316	0.00525	0.01231	0.01144	5.90
3.03	0.00635	0.00488	0.00178	0.00321	0.00533	0.01287	0.01101	6.04
3.48	0.00692	0.00528	0.00177	0.00332	0.00551	0.01432	0.01197	5.71
4.00	0.00725	0.00586	0.00192	0.00308	0.00559	0.01482	0.01241	5.47
4.59	0.00693	0.00586	0.00195	0.00340	0.00563	0.01677	0.01295	5.03
5.28	0.00707	0.00614	0.00210	0.00340	0.00552	0.01820	0.01610	4.51
6.06	0.00699	0.00613	0.00225	0.00336	0.00527	0.02041	0.01820	4.02
6.96	0.00669	0.00588	0.00225	0.00318	0.00526	0.02351	0.02146	3.43
8.00	0.00632	0.00559	0.00214	0.00283	0.00497	0.02693	0.02520	3.02
9.19	0.00442	0.00402	0.00200	0.00238	0.00498	0.03246	0.03047	2.54
10.56	0.00266	0.00226	0.00175	0.00194	0.00444	0.03844	0.03720	2.21
12.13	0.00152	0.00156	0.00130	0.00148	0.00455	0.04758	0.04653	2.11
13.93	0.00094	0.00092	0.00099	0.00097	0.00412	0.05477	0.05729	1.94
16.00	0.00043	0.00056	0.00067	0.00066	0.00421	0.06483	0.06971	1.91
18.38	0.00021	0.00029	0.00039	0.00036	0.00399	0.07384	0.08603	1.58
21.11	..	0.00019	0.00034	0.00018	0.00328	0.07498	0.09616	1.86
24.25	..	..	0.00014	0.00009	0.00251	0.09322	0.13913	1.18
27.86	..	..	..	..	0.00200	0.10566	0.17245	1.46
32.00	..	..	..	..	0.00180	0.10235	0.19547	1.21
36.76	..	..	..	..	0.00145	0.08751	0.21214	1.13
42.22	..	..	..	..	0.00190	0.05791	0.20480	0.44
48.50	..	..	..	..	0.00269	0.02261	0.15475	..
55.72	..	..	..	..	0.00125	0.01061	0.12478	..
64.00	..	..	..	..	0.00032	..	0.05821	..
73.52	..	..	..	..	..	..	0.02092	..
84.45	..	..	..	..	..	..	0.00924	..
97.01	..	..	..	..	..	..	..	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 37. DIGS, raw data: Station HAS01-02, Mission 1998-015.

Station	HAS1.02	HAS1.02	HAS1.02	HAS1.02	HAS1.02	HAS1.02	HAS1.02	HAS1.02
Water Depth	1	25	50	70	75	(0.35-0.50)	(0.05-0.25)	75
Time GMT	138	138	138	138	122	211	211	100
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM	0.67	2.40	1.63	2.03	1.20	6.68	5.85	17.42
Total PPM	0.10486	0.08289	0.03673	0.06648	0.09896	1.41098	2.30391	100.00
Diameter (um)								
0.76								
0.87	0.00202	0.00134	0.00074	0.00174	0.00344			2.63
1.00	0.00245	0.00165	0.00083	0.00203	0.00383	0.00644	0.01398	2.96
1.15	0.00302	0.00203	0.00097	0.00238	0.00409	0.00668	0.01588	3.36
1.32	0.00347	0.00243	0.00110	0.00266	0.00443	0.00745	0.01864	3.87
1.52	0.00401	0.00284	0.00123	0.00292	0.00481	0.00773	0.02092	4.32
1.74	0.00453	0.00315	0.00137	0.00311	0.00508	0.00841	0.02364	4.70
2.00	0.00510	0.00334	0.00151	0.00324	0.00517	0.00867	0.02773	5.03
2.30	0.00547	0.00373	0.00160	0.00342	0.00556	0.01004	0.02919	5.43
2.64	0.00586	0.00398	0.00176	0.00369	0.00573	0.01139	0.03229	5.50
3.03	0.00596	0.00440	0.00196	0.00392	0.00612	0.01282	0.03816	5.55
3.48	0.00644	0.00505	0.00223	0.00427	0.00641	0.01402	0.04409	5.56
4.00	0.00679	0.00516	0.00204	0.00395	0.00625	0.01662	0.04565	5.34
4.59	0.00700	0.00513	0.00206	0.00388	0.00600	0.01898	0.05694	4.73
5.28	0.00757	0.00565	0.00221	0.00394	0.00599	0.02216	0.06522	4.33
6.06	0.00759	0.00633	0.00237	0.00398	0.00563	0.02570	0.07403	4.07
6.96	0.00760	0.00664	0.00251	0.00384	0.00504	0.02970	0.08559	3.67
8.00	0.00750	0.00711	0.00245	0.00347	0.00426	0.03448	0.09623	3.35
9.19	0.00526	0.00523	0.00217	0.00296	0.00324	0.03904	0.10621	3.12
10.56	0.00313	0.00343	0.00186	0.00226	0.00252	0.04347	0.11921	2.91
12.13	0.00184	0.00222	0.00131	0.00177	0.00196	0.04971	0.13472	2.60
13.93	0.00105	0.00125	0.00099	0.00124	0.00141	0.05598	0.14657	2.73
16.00	0.00061	0.00051	0.00071	0.00070	0.00104	0.06678	0.15488	2.55
18.38	0.00029	0.00030	0.00035	0.00054	0.00056	0.07653	0.16190	2.15
21.11	0.00020	..	0.00021	0.00031	0.00041	0.08320	0.15948	1.97
24.25	0.00009	..	0.00021	0.00016	..	0.11221	0.16461	1.73
27.86	..	..	..	0.00011	..	0.12415	0.14510	1.14
32.00	..	..	..	..	..	0.12460	0.12912	1.58
36.76	..	..	..	..	..	0.12063	0.09203	1.51
42.22	..	..	..	..	..	0.10901	0.05756	1.15
48.50	..	..	..	..	..	0.08303	0.02825	0.43
55.72	..	..	..	..	..	0.04371	0.01104	..
64.00	..	..	..	..	..	0.02610	0.00504	..
73.52	..	..	..	..	..	0.00915	..	..
84.45	..	..	..	..	..	0.00239	..	..
97.01	..	..	..	..	..	..	..	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 38. DIGS, raw data: Station HAS01-03, Mission 1998-015.

Station	**HAS1.03**	**HAS1.03**	**HAS1.03**	**HAS1.03**	**HAS1.03**	**HAS1.03**	**HAS1.03**	**HAS1.03**
Water Depth	1	25	50	70	79			79
Time GMT	319	319	319	319	341			301
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM	1.36	3.89	1.11	0.40	0.49			3.67
Total PPM	0.14232	0.08362	0.04072	0.06223	0.07805			100.00
Diameter (um)								
0.76								
0.87	0.00215	0.00130	0.00075	0.00196	0.00273	..	..	3.31
1.00	0.00261	0.00144	0.00091	0.00228	0.00302	..	..	3.71
1.15	0.00323	0.00166	0.00108	0.00265	0.00306	..	..	4.13
1.32	0.00394	0.00201	0.00126	0.00296	0.00341	..	..	4.59
1.52	0.00473	0.00240	0.00145	0.00316	0.00363	..	..	4.88
1.74	0.00545	0.00275	0.00158	0.00329	0.00378	..	..	5.39
2.00	0.00622	0.00304	0.00173	0.00333	0.00393	..	..	5.70
2.30	0.00684	0.00334	0.00190	0.00344	0.00388	..	..	5.85
2.64	0.00748	0.00366	0.00210	0.00366	0.00410	..	..	5.94
3.03	0.00797	0.00410	0.00248	0.00384	0.00440	..	..	5.67
3.48	0.00858	0.00465	0.00260	0.00361	0.00454	..	..	5.57
4.00	0.00846	0.00507	0.00269	0.00383	0.00432	..	..	5.12
4.59	0.00898	0.00523	0.00254	0.00370	0.00431	..	..	4.21
5.28	0.00979	0.00580	0.00273	0.00370	0.00440	..	..	3.84
6.06	0.01029	0.00629	0.00286	0.00356	0.00442	..	..	3.54
6.96	0.01059	0.00671	0.00287	0.00337	0.00419	..	..	3.22
8.00	0.01051	0.00722	0.00269	0.00290	0.00379	..	..	3.17
9.19	0.00840	0.00588	0.00227	0.00218	0.00319	..	..	2.81
10.56	0.00608	0.00418	0.00157	0.00166	0.00233	..	..	2.70
12.13	0.00402	0.00285	0.00114	0.00117	0.00185	..	..	2.42
13.93	0.00276	0.00200	0.00067	0.00084	0.00159	..	..	2.45
16.00	0.00171	0.00122	0.00039	0.00059	0.00105	..	..	2.03
18.38	0.00097	0.00050	0.00023	0.00032	0.00064	..	..	2.09
21.11	0.00054	0.00032	0.00014	0.00020	0.00081	..	..	1.86
24.25	..	..	0.00007	..	0.00037	..	..	1.76
27.86	..	..	..	..	0.00031	..	..	1.56
32.00	..	..	..	..	..	..	..	0.83
36.76	..	..	..	..	..	..	..	1.17
42.22	..	..	..	..	..	..	..	0.49
48.50	..	..	..	..	..	..	..	..
55.72	..	..	..	..	..	..	..	..
64.00	..	..	..	..	..	..	..	..
73.52	..	..	..	..	..	..	..	..
84.45	..	..	..	..	..	..	..	..
97.01	..	..	..	..	..	..	..	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 39. DIGS, raw data: Station HAS01-04, Mission 1998-015

Station	HAS1.04	HAS1.04	HAS1.04	HAS1.04	HAS1.04	HAS1.04	HAS1.04	HAS1.04
Water Depth	1	25	50	70	78	(0.35-0.50)	(0.05-0.25)	78
Time GMT	546	546	546	546	529	637	637	510
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM	0.68	0.73	0.99	0.65	0.73	14.04	9.55	258.42
Total PPM	0.14614	0.06288	0.03897	0.06334	0.06052	1.31054	1.81435	100.00
Diameter (um)								
0.76								
0.87	0.00202	0.00111	0.00066	0.00189	0.00188	0.00728	0.01556	3.47
1.00	0.00253	0.00137	0.00075	0.00223	0.00221	0.00741	0.01642	3.80
1.15	0.00322	0.00174	0.00086	0.00261	0.00258	0.00807	0.01791	4.05
1.32	0.00402	0.00208	0.00099	0.00295	0.00288	0.00876	0.01907	4.46
1.52	0.00476	0.00242	0.00109	0.00322	0.00310	0.00931	0.02019	4.64
1.74	0.00573	0.00273	0.00118	0.00333	0.00332	0.01015	0.02191	4.78
2.00	0.00643	0.00301	0.00130	0.00349	0.00342	0.01051	0.02264	4.96
2.30	0.00705	0.00323	0.00151	0.00355	0.00339	0.01122	0.02276	4.88
2.64	0.00767	0.00355	0.00158	0.00372	0.00351	0.01178	0.02545	4.58
3.03	0.00798	0.00384	0.00180	0.00382	0.00355	0.01326	0.02689	4.39
3.48	0.00886	0.00396	0.00195	0.00422	0.00380	0.01420	0.02873	4.20
4.00	0.00955	0.00412	0.00202	0.00377	0.00347	0.01544	0.03011	3.74
4.59	0.00998	0.00406	0.00206	0.00376	0.00330	0.01772	0.03187	3.62
5.28	0.01075	0.00433	0.00237	0.00369	0.00322	0.02049	0.03573	3.64
6.06	0.01113	0.00452	0.00259	0.00357	0.00293	0.02436	0.04087	3.82
6.96	0.01134	0.00449	0.00280	0.00328	0.00261	0.02847	0.04743	3.93
8.00	0.01070	0.00432	0.00294	0.00283	0.00224	0.03343	0.05420	3.96
9.19	0.00814	0.00311	0.00278	0.00223	0.00188	0.03763	0.06183	3.97
10.56	0.00539	0.00199	0.00245	0.00166	0.00148	0.04129	0.07432	3.85
12.13	0.00364	0.00120	0.00216	0.00121	0.00148	0.04511	0.08564	3.83
13.93	0.00235	0.00089	0.00145	0.00091	0.00119	0.05207	0.10177	3.40
16.00	0.00153	0.00048	0.00088	0.00067	0.00091	0.06072	0.12111	3.86
18.38	0.00081	0.00024	0.00042	0.00043	0.00086	0.07224	0.14054	2.72
21.11	0.00040	0.00011	0.00021	0.00031	0.00067	0.07822	0.14310	2.27
24.25	0.00018	..	0.00019	..	0.00060	0.09166	0.14102	2.00
27.86	..	..	..	..	..	0.09804	0.14135	1.64
32.00	..	..	..	..	..	0.10893	0.11980	1.54
36.76	..	..	..	..	..	0.11075	0.09275	..
42.22	..	..	..	..	..	0.10314	0.06173	..
48.50	..	..	..	..	..	0.07175	0.03675	..
55.72	..	..	..	..	..	0.05723	0.01490	..
64.00	..	..	..	..	..	0.02101	..	..
73.52	..	..	..	..	..	0.00891	..	..
84.45	..	..	..	..	..	..	..	..
97.01	..	..	..	..	..	..	..	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 40. DIGS, raw data: Station HAS01-05, Mission 1998-015.

Station	HAS1.05	HAS1.05	HAS1.05	HAS1.05	HAS1.05	HAS1.05	HAS1.05	HAS1.05
Water Depth	1	25	50	70	79	(0.35-0.50)	(0.05-0.25)	78
Time GMT	727	727	727	727	751	809	809	711
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM	3.09	0.82	0.62	0.49	1.72	10.99	10.00	8.59
Total PPM	0.12798	0.11316	0.02779	0.05488	0.07695	1.53933	1.74919	100.00
Diameter (um)								
0.76								
0.87	0.00188	0.00190	0.00062	0.00186	0.00198		0.01845	3.94
1.00	0.00229	0.00228	0.00072	0.00209	0.00229		0.01675	4.03
1.15	0.00279	0.00282	0.00084	0.00227	0.00264	0.01146	0.01570	4.46
1.32	0.00331	0.00341	0.00098	0.00250	0.00297	0.01183	0.01504	4.92
1.52	0.00387	0.00408	0.00111	0.00272	0.00328	0.01192	0.01467	5.18
1.74	0.00466	0.00465	0.00121	0.00287	0.00349	0.01240	0.01437	5.33
2.00	0.00527	0.00521	0.00126	0.00293	0.00358	0.01280	0.01425	5.61
2.30	0.00581	0.00566	0.00133	0.00301	0.00378	0.01374	0.01406	5.59
2.64	0.00639	0.00609	0.00146	0.00320	0.00393	0.01354	0.01413	5.72
3.03	0.00676	0.00661	0.00149	0.00331	0.00407	0.01537	0.01490	5.47
3.48	0.00756	0.00720	0.00159	0.00347	0.00439	0.01642	0.01624	5.26
4.00	0.00780	0.00737	0.00158	0.00355	0.00436	0.01654	0.01703	4.35
4.59	0.00826	0.00758	0.00157	0.00342	0.00429	0.01948	0.01802	4.02
5.28	0.00912	0.00804	0.00166	0.00335	0.00426	0.02366	0.02097	3.94
6.06	0.00976	0.00826	0.00170	0.00325	0.00407	0.02883	0.02452	3.76
6.96	0.01025	0.00829	0.00170	0.00290	0.00378	0.03467	0.02973	3.61
8.00	0.01036	0.00805	0.00159	0.00231	0.00351	0.04197	0.03644	3.30
9.19	0.00806	0.00589	0.00132	0.00174	0.00294	0.04955	0.04497	2.93
10.56	0.00530	0.00391	0.00103	0.00135	0.00264	0.05798	0.06048	2.43
12.13	0.00357	0.00244	0.00075	0.00100	0.00216	0.06580	0.07623	2.79
13.93	0.00237	0.00153	0.00064	0.00074	0.00169	0.07839	0.10479	2.40
16.00	0.00162	0.00094	0.00042	0.00048	0.00159	0.09543	0.14466	2.06
18.38	0.00059	0.00055	0.00037	0.00038	0.00125	0.09982	0.19032	1.95
21.11	0.00033	0.00040	0.00038	0.00016	0.00096	0.13411	0.20848	2.02
24.25	..	..	0.00028	..	0.00080	0.14635	0.19579	1.35
27.86	..	..	0.00018	..	0.00092	0.15689	0.17068	1.60
32.00	..	..	..	..	0.00085	0.13615	0.11705	1.11
36.76	..	..	..	..	0.00048	0.10578	0.06151	0.87
42.22	..	..	..	..	..	0.05873	0.02804	..
48.50	..	..	..	..	..	0.03716	0.01038	..
55.72	..	..	..	..	..	0.02046	0.00911	..
64.00	..	..	..	..	..	0.01209	0.00730	..
73.52	..	..	..	..	..		0.00413	..
84.45	..	..	..	..	..	..		..
97.01	..	..	..	..	..	..	..	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 41. DIGS, raw data: Station HAS01-06, Mission 1998-015.

Station	**HAS1.06**	**HAS1.06**	**HAS1.06**	**HAS1.06**	**HAS1.06**	**HAS1.06**	**HAS1.06**	**HAS1.06**
Water Depth	1	25	50	70	79	(0.35-0.50)	(0.05-0.25)	79
Time GMT	936	936	936	936	923	1020	1020	901
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM	0.80	0.63	0.33	0.43	1.01	5.13	5.00	5.67
Total PPM	0.09855	0.06855	0.03082	0.06248	0.09157	2.07517	2.56735	100.00
Diameter (um)								
0.76								
0.87	0.00186		0.00060	0.00205	0.00216	0.01431	0.05584	3.23
1.00	0.00220	0.00167	0.00073	0.00220	0.00254	0.01401	0.05161	3.53
1.15	0.00268	0.00169	0.00085	0.00240	0.00297	0.01402	0.05040	3.91
1.32	0.00317	0.00201	0.00100	0.00270	0.00338	0.01415	0.04874	4.24
1.52	0.00369	0.00231	0.00111	0.00292	0.00368	0.01384	0.04740	4.53
1.74	0.00420	0.00264	0.00121	0.00308	0.00383	0.01349	0.04529	4.71
2.00	0.00477	0.00293	0.00136	0.00325	0.00397	0.01324	0.04361	4.87
2.30	0.00502	0.00312	0.00147	0.00328	0.00415	0.01257	0.04276	4.91
2.64	0.00549	0.00337	0.00155	0.00355	0.00453	0.01202	0.04107	4.85
3.03	0.00584	0.00376	0.00166	0.00377	0.00467	0.01181	0.03978	4.93
3.48	0.00631	0.00402	0.00179	0.00389	0.00456	0.01118	0.03659	4.78
4.00	0.00686	0.00427	0.00188	0.00387	0.00395	0.01084	0.03598	4.80
4.59	0.00697	0.00445	0.00194	0.00378	0.00414	0.01063	0.03350	4.67
5.28	0.00751	0.00478	0.00206	0.00392	0.00403	0.01082	0.03276	4.54
6.06	0.00771	0.00505	0.00219	0.00386	0.00394	0.01168	0.03305	4.34
6.96	0.00754	0.00499	0.00206	0.00360	0.00370	0.01252	0.03443	4.08
8.00	0.00697	0.00501	0.00194	0.00304	0.00344	0.01445	0.03704	3.58
9.19	0.00463	0.00394	0.00167	0.00244	0.00331	0.01688	0.04064	3.28
10.56	0.00238	0.00240	0.00132	0.00177	0.00291	0.01902	0.04733	3.10
12.13	0.00114	0.00164	0.00095	0.00117	0.00287	0.02496	0.05431	2.76
13.93	0.00063	0.00086	0.00056	0.00082	0.00283	0.03177	0.06740	2.73
16.00	0.00038	0.00051	0.00050	0.00060	0.00254	0.03898	0.08690	2.51
18.38	0.00014	0.00027	0.00028	0.00035	0.00241	0.04984	0.12020	1.91
21.11	0.00007	0.00020	0.00015	0.00018	0.00151	0.06592	0.17041	1.92
24.25	0.00006	0.00025	..	..	0.00177	0.08435	0.21504	1.46
27.86	0.00010	0.00016	..	..	0.00128	0.11111	0.25518	1.69
32.00	0.00015	0.00019	..	..	0.00141	0.13123	0.22010	1.37
36.76	0.00008	0.00043	..	..	0.00114	0.16206	0.18600	1.74
42.22	..	0.00042	..	..	0.00138	0.19925	0.13555	1.04
48.50	..	0.00071	..	..	0.00089	0.20619	0.09134	..
55.72	..	0.00051	..	..	0.00120	0.22922	0.07371	..
64.00	..	..	..	..	0.00047	0.20020	0.04534	..
73.52	..	..	..	..	..	0.13827	0.02209	..
84.45	..	..	..	..	..	0.08790	0.01743	..
97.01	..	..	..	..	..	0.05104	0.00856	..
111.43	..	..	..	..	..	0.01142	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 42. DIGS, raw data: Station HAS01-07, Mission 1998-015.

Station	**HAS1.07**	**HAS1.07**	**HAS1.07**	**HAS1.07**	**HAS1.07**	**HAS1.07**	**HAS1.07**	**HAS1.07**
Water Depth	1	25	50	70	76			76
Time GMT	1125	1125	1125	1125	1149			1105
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM	1.60	0.52	1.14	0.61	0.41			4.88
Total PPM	0.10757	0.08580	0.04257	0.06888	0.08385			100.00
Diameter (um)								
0.76								
0.87	0.00217	0.00156		0.00180	0.00240	..	..	3.52
1.00	0.00248	0.00185		0.00212	0.00285	..	..	3.62
1.15	0.00289	0.00220	0.00124	0.00248	0.00324	..	..	3.96
1.32	0.00336	0.00263	0.00140	0.00278	0.00364	..	..	4.37
1.52	0.00379	0.00305	0.00159	0.00305	0.00392	..	..	4.59
1.74	0.00416	0.00338	0.00170	0.00319	0.00407	..	..	4.72
2.00	0.00454	0.00370	0.00183	0.00329	0.00413	..	..	4.85
2.30	0.00500	0.00399	0.00195	0.00337	0.00426	..	..	4.77
2.64	0.00532	0.00438	0.00203	0.00362	0.00417	..	..	5.00
3.03	0.00574	0.00472	0.00212	0.00373	0.00429	..	..	4.95
3.48	0.00624	0.00515	0.00217	0.00371	0.00447	..	..	4.69
4.00	0.00630	0.00535	0.00224	0.00394	0.00432	..	..	4.80
4.59	0.00654	0.00548	0.00233	0.00397	0.00417	..	..	4.30
5.28	0.00716	0.00604	0.00241	0.00423	0.00426	..	..	4.04
6.06	0.00763	0.00616	0.00233	0.00434	0.00429	..	..	3.82
6.96	0.00797	0.00619	0.00226	0.00428	0.00413	..	..	3.63
8.00	0.00803	0.00613	0.00206	0.00402	0.00379	..	..	3.33
9.19	0.00623	0.00481	0.00198	0.00347	0.00323	..	..	2.98
10.56	0.00414	0.00347	0.00174	0.00284	0.00269	..	..	2.90
12.13	0.00273	0.00237	0.00172	0.00209	0.00227	..	..	2.69
13.93	0.00178	0.00145	0.00176	0.00135	0.00182	..	..	2.46
16.00	0.00097	0.00091	0.00195	0.00071	0.00167	..	..	1.81
18.38	0.00050	0.00055	0.00181	0.00036	0.00131	..	..	1.83
21.11	0.00030	0.00030	0.00107	0.00016	0.00107	..	..	1.78
24.25	0.00027	..	0.00062	..	0.00064	..	..	1.52
27.86	0.00030	..	0.00027	..	0.00048	..	..	1.15
32.00	0.00028	..	..	..	0.00028	..	..	1.36
36.76	0.00024	..	..	..	0.00051	..	..	1.63
42.22	0.00029	..	..	..	0.00058	..	..	1.53
48.50	0.00023	..	..	..	0.00046	..	..	2.28
55.72	..	..	..	..	0.00045	..	..	1.11
64.00	..	..	..	..	..	..	..	..
73.52	..	..	..	..	..	..	..	..
84.45	..	..	..	..	..	..	..	..
97.01	..	..	..	..	..	..	..	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 43. DIGS, raw data: Station HAS01-08, Mission 1998-015.

Station	**HAS1.08**	**HAS1.08**	**HAS1.08**	**HAS1.08**	**HAS1.08**	**HAS1.08**	**HAS1.08**	**HAS1.08**
Water Depth	1	25	50	70	76	(0.35-0.50)	(0.05-0.25)	76
Time GMT	1341	1341	1341	1341	1324	1427	1427	1302
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM	0.73	1.08	0.32	0.83	0.27	74.23	2.12	61.98
Total PPM	0.09065	0.10122	0.05057	0.07424	0.08217	0.36371	2.07597	100.00
Diameter (um)								
0.76								
0.87	0.00166	0.00187	0.00097	0.00229	0.00219	0.00192	0.02421	3.23
1.00	0.00194	0.00222	0.00116	0.00256	0.00256	0.00190	0.02377	3.54
1.15	0.00236	0.00272	0.00142	0.00286	0.00299	0.00198	0.02387	3.96
1.32	0.00278	0.00322	0.00166	0.00316	0.00341	0.00204	0.02448	4.36
1.52	0.00320	0.00376	0.00195	0.00338	0.00372	0.00210	0.02503	4.58
1.74	0.00363	0.00416	0.00217	0.00347	0.00382	0.00210	0.02559	4.72
2.00	0.00400	0.00476	0.00235	0.00358	0.00397	0.00209	0.02621	4.88
2.30	0.00431	0.00506	0.00253	0.00346	0.00400	0.00200	0.02762	4.88
2.64	0.00472	0.00554	0.00281	0.00362	0.00423	0.00199	0.02951	4.96
3.03	0.00494	0.00616	0.00317	0.00390	0.00434	0.00210	0.03301	4.81
3.48	0.00567	0.00649	0.00331	0.00394	0.00442	0.00234	0.03357	4.44
4.00	0.00546	0.00657	0.00299	0.00419	0.00436	0.00215	0.03524	4.65
4.59	0.00574	0.00663	0.00307	0.00392	0.00422	0.00231	0.03790	4.26
5.28	0.00632	0.00722	0.00328	0.00389	0.00439	0.00263	0.04238	4.16
6.06	0.00660	0.00771	0.00339	0.00389	0.00447	0.00286	0.04732	3.96
6.96	0.00657	0.00781	0.00331	0.00387	0.00448	0.00351	0.05194	3.85
8.00	0.00661	0.00775	0.00301	0.00369	0.00441	0.00414	0.05648	3.77
9.19	0.00507	0.00547	0.00252	0.00346	0.00391	0.00501	0.06383	3.61
10.56	0.00341	0.00297	0.00197	0.00312	0.00350	0.00645	0.07227	3.35
12.13	0.00239	0.00162	0.00146	0.00275	0.00281	0.00752	0.08120	3.35
13.93	0.00171	0.00091	0.00102	0.00228	0.00220	0.00868	0.09455	3.01
16.00	0.00097	0.00038	0.00064	0.00156	0.00167	0.01051	0.11244	2.43
18.38	0.00062	0.00022	0.00041	0.00080	0.00101	0.01333	0.13115	2.52
21.11	..	..	..	0.00037	0.00057	0.01581	0.19762	1.97
24.25	..	..	..	0.00022	0.00032	0.02326	0.23181	1.80
27.86	..	..	..	..	0.00019	0.02609	0.23237	1.63
32.00	..	..	..	..	..	0.03051	0.16409	1.38
36.76	..	..	..	..	..	0.03383	0.06315	1.04
42.22	..	..	..	..	..	0.04238	0.02444	0.87
48.50	..	..	..	..	..	0.03372	0.01700	..
55.72	..	..	..	..	..	0.03274	0.01279	..
64.00	..	..	..	..	..	0.01938	0.00914	..
73.52	..	..	..	..	..	0.01056	..	..
84.45	..	..	..	..	..	0.00376	..	..
97.01	..	..	..	..	..	..	..	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 44. DIGS, raw data: Station HAS01-09, Mission 1998-015.

Station	**HAS1.09**	**HAS1.09**	**HAS1.09**	**HAS1.09**	**HAS1.09**	**HAS1.09**	**HAS1.09**	**HAS1.09**
Water Depth	1	25	50	70	77	(0.35-0.50)	(0.05-0.25)	78
Time GMT	1531	1531	1531	1531	1555	1621	1621	1512
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM	2.31	1.09	0.66	0.98	0.60	4.61	18.60	287.17
Total PPM	0.08522	0.07593	0.05242	0.09958	0.10704	0.71699	19.27357	100.00
Diameter (um)								
0.76								
0.87	0.00136	0.00153	0.00086	0.00230	0.00265	0.00712	0.02250	2.79
1.00	0.00163	0.00184	0.00095	0.00257	0.00308	0.00707	0.02283	3.16
1.15	0.00196	0.00223	0.00110	0.00289	0.00355	0.00733	0.02356	3.67
1.32	0.00240	0.00264	0.00124	0.00322	0.00396	0.00770	0.02487	4.15
1.52	0.00284	0.00305	0.00138	0.00352	0.00439	0.00799	0.02589	4.50
1.74	0.00319	0.00335	0.00151	0.00372	0.00467	0.00807	0.02765	4.84
2.00	0.00359	0.00374	0.00161	0.00397	0.00490	0.00827	0.02847	5.22
2.30	0.00396	0.00408	0.00171	0.00405	0.00504	0.00850	0.02907	5.55
2.64	0.00418	0.00430	0.00191	0.00430	0.00537	0.00930	0.03273	5.64
3.03	0.00448	0.00449	0.00204	0.00456	0.00561	0.00907	0.03481	5.85
3.48	0.00490	0.00491	0.00236	0.00471	0.00599	0.00925	0.03968	5.86
4.00	0.00514	0.00466	0.00223	0.00471	0.00617	0.01080	0.04514	5.34
4.59	0.00520	0.00479	0.00237	0.00459	0.00617	0.01146	0.05045	4.97
5.28	0.00577	0.00513	0.00260	0.00485	0.00628	0.01235	0.05867	4.64
6.06	0.00610	0.00532	0.00287	0.00524	0.00650	0.01332	0.06727	4.40
6.96	0.00651	0.00552	0.00311	0.00563	0.00654	0.01510	0.07709	4.20
8.00	0.00676	0.00531	0.00337	0.00609	0.00582	0.01645	0.08902	3.87
9.19	0.00549	0.00376	0.00358	0.00616	0.00512	0.01825	0.10138	3.42
10.56	0.00385	0.00215	0.00355	0.00594	0.00421	0.02110	0.11370	2.97
12.13	0.00251	0.00131	0.00341	0.00485	0.00305	0.02382	0.12818	2.39
13.93	0.00163	0.00078	0.00269	0.00345	0.00222	0.02593	0.14508	2.28
16.00	0.00108	0.00043	0.00231	0.00199	0.00161	0.03139	0.15557	1.94
18.38	0.00047	0.00022	0.00174	0.00138	0.00100	0.03323	0.16295	1.34
21.11	0.00023	0.00013	0.00099	0.00098	0.00085	0.04689	0.16929	1.44
24.25	..	0.00015	0.00054	0.00090	0.00108	0.05279	0.16373	1.43
27.86	..	0.00011	0.00029	0.00092	0.00073	0.06719	0.14296	1.07
32.00	..	..	0.00011	0.00099	0.00046	0.06973	0.10989	1.07
36.76	..	..	..	0.00083	..	0.06541	0.08285	1.11
42.22	..	..	..	0.00028	..	0.05081	0.04345	0.90
48.50	..	..	..	..	..	0.02587	0.02191	..
55.72	..	..	..	..	..	0.00951	0.02088	..
64.00	..	..	..	..	..	0.00593	0.02287	..
73.52	..	..	..	..	..	..	0.02423	..
84.45	..	..	..	..	..	..	0.04431	..
97.01	..	..	..	..	..	..	0.06285	..
111.43	..	..	..	..	..	..	0.04783	..
128.00	..	..	..	..	..	..	0.13500	..
147.03	..	..	..	..	..	..	0.28802	..
168.90	..	..	..	..	..	..	0.64856	..
194.01	..	..	..	..	..	..	1.49424	..
222.86	..	..	..	..	..	..	4.03521	..
256.00	..	..	..	..	..	..	4.65520	..
294.07	..	..	..	..	..	..	3.08772	..
337.79	..	..	..	..	..	..	2.04296	..
388.02	..	..	..	..	..	..	0.42306	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 45. DIGS, raw data: Station HAS01-10, Mission 1998-015.

Station	**HAS1.10**	**HAS1.10**	**HAS1.10**	**HAS1.10**	**HAS1.10**	**HAS1.10**	**HAS1.10**	**HAS1.10**
Water Depth	1	25	50	70	77	(0.35-0.50)	(0.05-0.25)	77
Time GMT	1740	1740	1740	1740	1723	1802	1802	1706
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM	2.91	0.97	0.70	0.52	1.37	15.79	5.11	57.10
Total PPM	0.11458	0.09218	0.02299	0.07099	0.07047	1.52338	15.04603	100.00
Diameter (um)								
0.76								
0.87	0.00187	0.00150	0.00050	0.00219	0.00199	0.01092	0.01297	2.87
1.00	0.00218	0.00177	0.00056	0.00244	0.00224	0.01099	0.01366	3.18
1.15	0.00267	0.00211	0.00062	0.00277	0.00257	0.01125	0.01448	3.62
1.32	0.00315	0.00253	0.00072	0.00299	0.00284	0.01148	0.01517	4.02
1.52	0.00375	0.00295	0.00083	0.00321	0.00307	0.01127	0.01586	4.41
1.74	0.00412	0.00331	0.00090	0.00337	0.00313	0.01197	0.01682	4.75
2.00	0.00468	0.00372	0.00096	0.00357	0.00333	0.01222	0.01740	5.10
2.30	0.00509	0.00408	0.00104	0.00360	0.00345	0.01238	0.01866	5.26
2.64	0.00542	0.00443	0.00110	0.00388	0.00353	0.01289	0.02004	5.75
3.03	0.00604	0.00478	0.00121	0.00404	0.00390	0.01373	0.02107	5.83
3.48	0.00674	0.00538	0.00120	0.00418	0.00370	0.01424	0.02162	5.69
4.00	0.00628	0.00574	0.00122	0.00424	0.00416	0.01573	0.02514	6.20
4.59	0.00650	0.00556	0.00123	0.00418	0.00406	0.01757	0.02612	5.44
5.28	0.00731	0.00604	0.00134	0.00420	0.00409	0.02130	0.02873	5.05
6.06	0.00809	0.00645	0.00146	0.00419	0.00402	0.02620	0.03208	4.60
6.96	0.00861	0.00669	0.00150	0.00393	0.00387	0.03148	0.03566	4.03
8.00	0.00933	0.00697	0.00144	0.00359	0.00349	0.04010	0.04030	3.62
9.19	0.00799	0.00614	0.00129	0.00308	0.00302	0.04882	0.04522	2.92
10.56	0.00581	0.00474	0.00107	0.00243	0.00246	0.05621	0.05067	2.46
12.13	0.00375	0.00312	0.00089	0.00178	0.00193	0.06539	0.05868	2.18
13.93	0.00258	0.00197	0.00064	0.00137	0.00155	0.06978	0.06896	2.08
16.00	0.00156	0.00130	0.00049	0.00099	0.00105	0.07523	0.07918	1.88
18.38	0.00074	0.00054	0.00031	0.00047	0.00090	0.07278	0.09200	1.76
21.11	0.00033	0.00038	0.00021	0.00029	0.00079	0.09064	0.11017	1.46
24.25	..	..	0.00023	..	0.00042	0.09768	0.12286	1.47
27.86	..	..	..	..	0.00065	0.11836	0.12646	2.43
32.00	..	..	..	..	0.00025	0.11491	0.12239	1.22
36.76	..	..	..	..	..	0.11683	0.09235	0.70
42.22	..	..	..	..	..	0.11647	0.08389	..
48.50	..	..	..	..	..	0.11231	0.07051	..
55.72	..	..	..	..	..	0.05390	0.06343	..
64.00	..	..	..	..	..	0.01919	0.05164	..
73.52	..	..	..	..	..	0.00913	0.04355	..
84.45	..	..	..	..	..	..	0.05313	..
97.01	..	..	..	..	..	..	0.02856	..
111.43	..	..	..	..	..	..	0.03635	..
128.00	..	..	..	..	..	..	0.06370	..
147.03	..	..	..	..	..	..	0.22195	..
168.90	..	..	..	..	..	..	0.31796	..
194.01	..	..	..	..	..	..	1.13446	..
222.86	..	..	..	..	..	..	3.34712	..
256.00	..	..	..	..	..	..	4.11471	..
294.07	..	..	..	..	..	..	2.83562	..
337.79	..	..	..	..	..	..	1.23471	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 46. DIGS, raw data: Station HAS01-11, Mission 1998-015.

Station	HAS1.11	HAS1.11	HAS1.11	HAS1.11	HAS1.11	HAS1.11	HAS1.11	HAS1.11
Water Depth	1	25	50	69	81	(0.35-0.50)	(0.05-0.25)	79
Time GMT	1925	1925	1925	1925	1951	2023	2023	1909
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM	1.95	1.53	0.55	0.83	0.82	580.09	9.60	746.06
Total PPM	0.10625	0.09926	0.02827	0.06499	0.07033	0.97952	158.97722	100.00
Diameter (um)								
0.76								
0.87	0.00183	0.00145	0.00065	0.00232	0.00232	0.01130	0.02340	3.75
1.00	0.00188	0.00170	0.00072	0.00237	0.00238	0.01114	0.02534	4.12
1.15	0.00223	0.00211	0.00084	0.00262	0.00271	0.01119	0.02823	4.52
1.32	0.00267	0.00256	0.00096	0.00298	0.00298	0.01163	0.03237	4.93
1.52	0.00311	0.00303	0.00105	0.00323	0.00325	0.01193	0.03697	5.14
1.74	0.00356	0.00347	0.00114	0.00345	0.00333	0.01218	0.04121	5.31
2.00	0.00396	0.00386	0.00124	0.00362	0.00351	0.01291	0.04515	5.37
2.30	0.00441	0.00431	0.00129	0.00368	0.00353	0.01360	0.04847	5.32
2.64	0.00476	0.00473	0.00144	0.00405	0.00378	0.01401	0.05274	5.34
3.03	0.00527	0.00516	0.00153	0.00426	0.00394	0.01578	0.06020	5.34
3.48	0.00583	0.00582	0.00170	0.00446	0.00395	0.01661	0.06025	5.00
4.00	0.00634	0.00613	0.00172	0.00433	0.00432	0.01979	0.07142	4.99
4.59	0.00635	0.00623	0.00160	0.00378	0.00407	0.02278	0.07550	4.59
5.28	0.00706	0.00687	0.00171	0.00361	0.00406	0.02629	0.08372	4.25
6.06	0.00759	0.00748	0.00177	0.00343	0.00396	0.03104	0.09276	4.11
6.96	0.00811	0.00794	0.00181	0.00302	0.00373	0.03551	0.09987	3.80
8.00	0.00871	0.00807	0.00175	0.00264	0.00322	0.04067	0.10905	3.61
9.19	0.00762	0.00677	0.00150	0.00208	0.00281	0.04611	0.11575	3.19
10.56	0.00551	0.00467	0.00129	0.00154	0.00218	0.05118	0.12183	2.91
12.13	0.00379	0.00298	0.00093	0.00123	0.00170	0.05981	0.12719	2.72
13.93	0.00269	0.00194	0.00072	0.00085	0.00137	0.06548	0.12654	2.24
16.00	0.00166	0.00124	0.00051	0.00052	0.00083	0.07979	0.11696	1.90
18.38	0.00098	0.00045	0.00027	0.00045	0.00082	0.07805	0.10453	1.72
21.11	0.00034	0.00027	0.00013	0.00026	0.00039	0.09160	0.08238	1.36
24.25	..	..	..	0.00019	0.00052	0.08699	0.06861	1.64
27.86	..	..	..	..	0.00045	0.05933	0.05571	0.99
32.00	..	..	..	..	0.00022	0.03049	0.05538	1.16
36.76	..	..	..	..	..	0.00848	0.05128	0.66
42.22	..	..	..	..	..	0.00385	0.04392	..
48.50	..	..	..	..	..	..	0.06704	..
55.72	..	..	..	..	..	..	0.08534	..
64.00	..	..	..	..	..	..	0.11839	..
73.52	..	..	..	..	..	..	0.16076	..
84.45	..	..	..	..	..	..	0.23594	..
97.01	..	..	..	..	..	..	0.26973	..
111.43	..	..	..	..	..	..	0.38654	..
128.00	..	..	..	..	..	..	0.76815	..
147.03	..	..	..	..	..	..	1.92503	..
168.90	..	..	..	..	..	..	4.78044	..
194.01	..	..	..	..	..	..	13.79470	..
222.86	..	..	..	..	..	..	30.63235	..
256.00	..	..	..	..	..	..	39.26665	..
294.07	..	..	..	..	..	..	31.56427	..
337.79	..	..	..	..	..	..	19.95066	..
388.02	..	..	..	..	..	..	8.60092	..
445.72	..	..	..	..	..	..	2.94521	..
512.00	..	..	..	..	..	..	1.36841	..

Table 47. DIGS, raw data: Station HAS01-12, Mission 1998.015.

Station	HAS1.12	HAS1.12	HAS1.12	HAS1.12	HAS1.12	HAS1.12	HAS1.12	HAS1.12
Water Depth	1	25	50	70	79	(0.35-0.50)	(0.05-0.25)	79
Time GMT	2139	2139	2139	2139	2125	2205	2205	2104
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM	0.38	0.69	0.27	0.34	3.29	4.61	2.20	450.66
Total PPM	0.09452	0.10635	0.02774	0.06484	0.08019	1.72977	100.45810	100.00
Diameter (um)								
0.76								
0.87	0.00192	0.00224	0.00073	0.00207	0.00221	0.02828	0.02821	2.84
1.00	0.00221	0.00262	0.00081	0.00233	0.00240	0.02532	0.02915	3.16
1.15	0.00268	0.00307	0.00093	0.00268	0.00276	0.02353	0.03202	3.51
1.32	0.00301	0.00364	0.00105	0.00300	0.00307	0.02210	0.03455	3.80
1.52	0.00351	0.00427	0.00114	0.00329	0.00334	0.02050	0.03788	4.05
1.74	0.00392	0.00483	0.00127	0.00353	0.00352	0.01888	0.04121	4.27
2.00	0.00443	0.00532	0.00130	0.00365	0.00359	0.01827	0.04301	4.35
2.30	0.00470	0.00584	0.00137	0.00367	0.00370	0.01681	0.04649	4.39
2.64	0.00527	0.00618	0.00147	0.00401	0.00396	0.01704	0.04920	4.62
3.03	0.00580	0.00619	0.00151	0.00403	0.00398	0.01698	0.05259	4.67
3.48	0.00619	0.00652	0.00169	0.00415	0.00418	0.01719	0.06031	4.61
4.00	0.00635	0.00638	0.00178	0.00411	0.00442	0.01653	0.06944	4.55
4.59	0.00622	0.00677	0.00177	0.00378	0.00418	0.01651	0.07431	4.16
5.28	0.00671	0.00723	0.00180	0.00376	0.00408	0.01760	0.08741	4.01
6.06	0.00691	0.00742	0.00184	0.00363	0.00391	0.01953	0.10028	3.75
6.96	0.00676	0.00756	0.00167	0.00335	0.00377	0.02151	0.11894	3.66
8.00	0.00685	0.00745	0.00146	0.00289	0.00348	0.02532	0.13577	3.62
9.19	0.00494	0.00552	0.00114	0.00222	0.00309	0.02948	0.16182	3.57
10.56	0.00290	0.00333	0.00090	0.00169	0.00295	0.03594	0.18892	3.52
12.13	0.00157	0.00191	0.00063	0.00118	0.00248	0.04342	0.21818	3.40
13.93	0.00094	0.00117	0.00053	0.00076	0.00208	0.05306	0.24109	3.26
16.00	0.00053	0.00048	0.00034	0.00057	0.00185	0.07137	0.25493	2.66
18.38	0.00017	0.00027	0.00018	0.00028	0.00162	0.08444	0.25764	2.66
21.11	..	0.00014	0.00027	0.00022	0.00122	0.12895	0.26077	1.89
24.25	..	..	0.00015	..	0.00117	0.18309	0.23928	2.02
27.86	..	..	..	..	0.00098	0.22393	0.14531	2.22
32.00	..	..	..	..	0.00062	0.23281	0.13551	1.34
36.76	..	..	..	..	0.00096	0.17085	0.06974	1.49
42.22	..	..	..	..	0.00062	0.08336	0.06105	1.56
48.50	..	..	..	..	..	0.03413	0.06473	1.33
55.72	..	..	..	..	..	0.01304	0.09517	1.03
64.00	..	..	..	..	..	..	0.13108	..
73.52	..	..	..	..	..	..	0.16454	..
84.45	..	..	..	..	..	..	0.18366	..
97.01	..	..	..	..	..	..	0.23760	..
111.43	..	..	..	..	..	..	0.31301	..
128.00	..	..	..	..	..	..	0.44038	..
147.03	..	..	..	..	..	..	0.91111	..
168.90	..	..	..	..	..	..	1.93010	..
194.01	..	..	..	..	..	..	5.58143	..
222.86	..	..	..	..	..	..	13.62813	..
256.00	..	..	..	..	..	..	20.74587	..
294.07	..	..	..	..	..	..	21.18499	..
337.79	..	..	..	..	..	..	16.02353	..
388.02	..	..	..	..	..	..	8.17864	..
445.72	..	..	..	..	..	..	4.84017	..
512.00	..	..	..	..	..	..	2.52896	..

Table 48. DIGS, raw data: Station HAS01-13, Mission 1998-015.

Station	HAS1.13	HAS1.13	HAS1.13	HAS1.13	HAS1.13	HAS1.13	HAS1.13	HAS1.13
Water Depth	1	25	50	70	79			79
Time GMT	2322	2322	2322	2322	2343			2302
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM	1.58	0.78	0.31	0.78	0.50			7.62
Total PPM	0.11650	0.10448	0.04045	0.06816	0.06624			100.00
Diameter (um)								
0.76								
0.87	0.00176	0.00167	0.00089	0.00207	0.00190	..	..	2.11
1.00	0.00204	0.00206	0.00102	0.00238	0.00222	..	..	2.32
1.15	0.00243	0.00255	0.00120	0.00271	0.00255	..	..	2.61
1.32	0.00293	0.00312	0.00138	0.00303	0.00291	..	..	2.95
1.52	0.00344	0.00384	0.00157	0.00323	0.00315	..	..	3.24
1.74	0.00387	0.00438	0.00168	0.00331	0.00329	..	..	3.56
2.00	0.00428	0.00497	0.00183	0.00352	0.00352	..	..	3.83
2.30	0.00463	0.00558	0.00203	0.00364	0.00374	..	..	4.29
2.64	0.00500	0.00619	0.00224	0.00378	0.00385	..	..	4.55
3.03	0.00556	0.00641	0.00241	0.00400	0.00413	..	..	4.93
3.48	0.00620	0.00710	0.00259	0.00404	0.00405	..	..	5.07
4.00	0.00624	0.00650	0.00279	0.00415	0.00425	..	..	5.40
4.59	0.00676	0.00699	0.00260	0.00409	0.00397	..	..	5.64
5.28	0.00736	0.00749	0.00272	0.00411	0.00388	..	..	5.83
6.06	0.00800	0.00776	0.00270	0.00420	0.00367	..	..	5.81
6.96	0.00840	0.00787	0.00261	0.00396	0.00327	..	..	5.65
8.00	0.00875	0.00744	0.00231	0.00339	0.00294	..	..	5.19
9.19	0.00748	0.00540	0.00196	0.00269	0.00233	..	..	4.06
10.56	0.00567	0.00323	0.00137	0.00195	0.00195	..	..	2.88
12.13	0.00439	0.00188	0.00098	0.00152	0.00143	..	..	2.04
13.93	0.00352	0.00111	0.00057	0.00092	0.00117	..	..	1.69
16.00	0.00263	0.00057	0.00043	0.00057	0.00085	..	..	1.37
18.38	0.00205	0.00031	0.00025	0.00041	0.00086	..	..	1.10
21.11	0.00125	0.00007	0.00016	0.00033	0.00037	..	..	1.19
24.25	0.00106	..	0.00018	0.00014	..	..	..	1.23
27.86	0.00043	..	..	..	..	..	..	1.40
32.00	0.00035	..	..	..	..	..	..	1.88
36.76	..	..	..	..	..	..	..	2.28
42.22	..	..	..	..	..	..	..	2.23
48.50	..	..	..	..	..	..	..	2.18
55.72	..	..	..	..	..	..	..	1.50
64.00	..	..	..	..	..	..	..	..
73.52	..	..	..	..	..	..	..	..
84.45	..	..	..	..	..	..	..	..
97.01	..	..	..	..	..	..	..	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 49. DIGS, raw data: Station HAS02-01, Mission 1998-015.

Station	HAS2.01	HAS2.01	HAS2.01	HAS2.01	HAS2.01	HAS2.01	HAS2.01	HAS2.01
Water Depth	1	25	50	70	78	(0.35-0.50)	(0.05-0.25)	
Time GMT	1638	1638	1638	1638	1702	1809	1809	
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM	2.86	0.35	0.44	0.44	1.90	9.24	274.82	
Total PPM	0.10461	0.07501	0.04903	0.05791	0.09072	1.38858	69.22311	
Diameter (um)								
0.76								
0.87	0.00211	0.00181	0.00113	0.00142	0.00313	0.02152	0.01680	..
1.00	0.00226	0.00191	0.00126	0.00165	0.00323	0.01725	0.01752	..
1.15	0.00263	0.00219	0.00147	0.00191	0.00352	0.01660	0.01893	..
1.32	0.00315	0.00256	0.00165	0.00215	0.00381	0.01747	0.02027	..
1.52	0.00372	0.00289	0.00185	0.00232	0.00405	0.01760	0.02198	..
1.74	0.00427	0.00325	0.00202	0.00252	0.00433	0.01780	0.02238	..
2.00	0.00474	0.00359	0.00219	0.00260	0.00436	0.01814	0.02382	..
2.30	0.00529	0.00387	0.00229	0.00268	0.00442	0.01830	0.02561	..
2.64	0.00576	0.00400	0.00242	0.00275	0.00488	0.01975	0.02674	..
3.03	0.00545	0.00401	0.00264	0.00298	0.00501	0.02009	0.02826	..
3.48	0.00565	0.00430	0.00286	0.00314	0.00526	0.02133	0.02990	..
4.00	0.00561	0.00452	0.00296	0.00309	0.00489	0.02401	0.03350	..
4.59	0.00608	0.00481	0.00305	0.00311	0.00491	0.02656	0.03513	..
5.28	0.00667	0.00511	0.00326	0.00324	0.00489	0.03036	0.03875	..
6.06	0.00718	0.00525	0.00342	0.00337	0.00486	0.03525	0.04261	..
6.96	0.00754	0.00528	0.00340	0.00342	0.00458	0.04148	0.04768	..
8.00	0.00733	0.00474	0.00320	0.00324	0.00432	0.04815	0.05465	..
9.19	0.00627	0.00363	0.00248	0.00298	0.00362	0.05583	0.06161	..
10.56	0.00446	0.00272	0.00192	0.00252	0.00283	0.06458	0.06971	..
12.13	0.00309	0.00185	0.00131	0.00199	0.00251	0.06928	0.07985	..
13.93	0.00206	0.00126	0.00099	0.00156	0.00190	0.08377	0.08808	..
16.00	0.00139	0.00078	0.00065	0.00143	0.00131	0.09736	0.11329	..
18.38	0.00071	0.00046	0.00038	0.00076	0.00080	0.09795	0.11491	..
21.11	0.00049	0.00023	0.00020	0.00049	0.00062	0.12667	0.13611	..
24.25	0.00042	..	..	0.00028	0.00103	0.11963	0.17118	..
27.86	0.00030	..	..	0.00019	0.00097	0.12267	0.18290	..
32.00	..	..	..	0.00013	0.00068	0.07293	0.17303	..
36.76	..	..	..	..	..	0.04140	0.15322	..
42.22	..	..	..	..	..	0.01796	0.09665	..
48.50	..	..	..	..	..	0.00690	0.07612	..
55.72	..	..	..	..	..	..	0.07405	..
64.00	..	..	..	..	..	..	0.10161	..
73.52	..	..	..	..	..	..	0.11785	..
84.45	..	..	..	..	..	..	0.18694	..
97.01	..	..	..	..	..	..	0.16649	..
111.43	..	..	..	..	..	..	0.28331	..
128.00	..	..	..	..	..	..	0.43722	..
147.03	..	..	..	..	..	..	0.64907	..
168.90	..	..	..	..	..	..	1.65730	..
194.01	..	..	..	..	..	..	4.26302	..
222.86	..	..	..	..	..	..	8.66452	..
256.00	..	..	..	..	..	..	13.43100	..
294.07	..	..	..	..	..	..	14.25280	..
337.79	..	..	..	..	..	..	12.63925	..
388.02	..	..	..	..	..	..	6.84979	..
445.72	..	..	..	..	..	..	3.42770	..
512.00	..	..	..	..	..	..	..	

Table 50. DIGS, raw data: Station HAS02-02, Mission 1998-015.

Station	HAS2.02	HAS2.02	HAS2.02	HAS2.02	HAS2.02	HAS2.02	HAS2.02	HAS2.02
Water Depth		25	50	69	78	(0.35-0.50)	(0.05-0.25)	78
Time GMT		1858	1858	1858	1838	1921	1921	1823
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM		0.78	0.62	0.45	0.67	6.54	125.17	6.21
Total PPM		0.10004	0.03610	0.04901	0.06256	0.66262	45.81597	100.00
Diameter (um)								
0.76								
0.87	..	0.00183	0.00070		0.00186	0.00476	0.01184	3.36
1.00	..	0.00225	0.00084	0.00169	0.00216	0.00460	0.01243	3.69
1.15	..	0.00275	0.00099	0.00191	0.00246	0.00472	0.01351	4.01
1.32	..	0.00334	0.00118	0.00215	0.00274	0.00501	0.01510	4.31
1.52	..	0.00396	0.00133	0.00237	0.00302	0.00512	0.01647	4.49
1.74	..	0.00455	0.00149	0.00253	0.00306	0.00529	0.01789	4.60
2.00	..	0.00506	0.00160	0.00261	0.00323	0.00556	0.01911	4.65
2.30	..	0.00538	0.00176	0.00272	0.00336	0.00573	0.02061	4.69
2.64	..	0.00575	0.00196	0.00289	0.00361	0.00644	0.02271	4.39
3.03	..	0.00555	0.00212	0.00313	0.00385	0.00675	0.02504	4.51
3.48	..	0.00561	0.00233	0.00306	0.00401	0.00666	0.02572	4.12
4.00	..	0.00604	0.00235	0.00319	0.00368	0.00758	0.02836	3.74
4.59	..	0.00609	0.00236	0.00301	0.00358	0.00862	0.03025	3.40
5.28	..	0.00653	0.00249	0.00302	0.00356	0.00970	0.03406	3.53
6.06	..	0.00700	0.00249	0.00297	0.00352	0.01109	0.03800	3.61
6.96	..	0.00714	0.00241	0.00266	0.00323	0.01304	0.04243	3.85
8.00	..	0.00682	0.00209	0.00221	0.00290	0.01517	0.04883	3.99
9.19	..	0.00570	0.00169	0.00177	0.00220	0.01778	0.05202	4.12
10.56	..	0.00392	0.00129	0.00139	0.00178	0.02164	0.05815	4.08
12.13	..	0.00242	0.00079	0.00119	0.00126	0.02552	0.06532	4.[illegible]1
13.93	..	0.00125	0.00058	0.00084	0.00100	0.03038	0.06972	3.52
16.00	..	0.00078	0.00035	0.00065	0.00079	0.03730	0.07262	3.21
18.38	..	0.00028	0.00039	0.00040	0.00067	0.04616	0.07835	2.50
21.11	..	..	0.00016	0.00021	0.00039	0.05563	0.08710	2.02
24.25	..	..	0.00023	0.00014	0.00032	0.06093	0.08401	1.53
27.86	..	..	0.00013	0.00016	0.00030	0.05826	0.07572	1.51
32.00	..	..	..	0.00015	..	0.06336	0.06226	1.34
36.76	..	..	..	..	..	0.05325	0.05376	0.89
42.22	..	..	..	..	..	0.04024	0.03155	1.35
48.50	..	..	..	..	..	0.02633	0.03734	0.86
55.72	..	..	..	..	..	..	0.04026	..
64.00	..	..	..	..	..	..	0.06519	..
73.52	..	..	..	..	..	..	0.08975	..
84.45	..	..	..	..	..	..	0.11957	..
97.01	..	..	..	..	..	..	0.16814	..
111.43	..	..	..	..	..	..	0.19814	..
128.00	..	..	..	..	..	..	0.36250	..
147.03	..	..	..	..	..	..	0.72712	..
168.90	..	..	..	..	..	..	1.55766	..
194.01	..	..	..	..	..	..	4.31474	..
222.86	..	..	..	..	..	..	9.88240	..
256.00	..	..	..	..	..	..	12.07680	..
294.07	..	..	..	..	..	..	8.02555	..
337.79	..	..	..	..	..	..	4.88510	..
388.02	..	..	..	..	..	..	1.25460	..
445.72	..	..	..	..	..	..	0.79815	..
512.00			..	..	..	..	..	..

Table 51. DIGS, raw data: Station HAS02-03, Mission 1998-015.

Station	**HAS2.03**	**HAS2.03**	**HAS2.03**	**HAS2.03**	**HAS2.03**	**HAS2.03**	**HAS2.03**	**HAS2.03**
Water Depth	1	25	50	69	78	(0.35-0.50)	(0.05-0.25)	78
Time GMT	2031	2031	2031	2031	2050	2126	2126	2006
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM	2.96	0.77	1.04	0.35	1.27	2.33	4.16	10.61
Total PPM	0.10557	0.09546	0.03711	0.05298	0.07657	1.31492	1.15571	100.00
Diameter (um)								
0.76								
0.87	0.00242	0.00203	0.00069	0.00133	0.00277	0.00723	0.00674	3.42
1.00	0.00260	0.00246	0.00079	0.00159	0.00287	0.00611	0.00674	3.64
1.15	0.00293	0.00301	0.00095	0.00189	0.00322	0.00618	0.00691	4.07
1.32	0.00335	0.00359	0.00108	0.00218	0.00354	0.00630	0.00703	4.42
1.52	0.00375	0.00411	0.00123	0.00238	0.00373	0.00634	0.00718	4.76
1.74	0.00424	0.00479	0.00136	0.00261	0.00394	0.00634	0.00745	4.88
2.00	0.00460	0.00510	0.00149	0.00280	0.00399	0.00646	0.00783	4.90
2.30	0.00495	0.00559	0.00166	0.00293	0.00399	0.00700	0.00808	4.92
2.64	0.00513	0.00583	0.00181	0.00308	0.00415	0.00747	0.00869	5.01
3.03	0.00516	0.00585	0.00196	0.00324	0.00413	0.00788	0.00933	4.90
3.48	0.00540	0.00607	0.00235	0.00328	0.00412	0.00928	0.01054	4.89
4.00	0.00565	0.00623	0.00222	0.00342	0.00379	0.01063	0.01116	4.70
4:59	0.00610	0.00610	0.00230	0.00325	0.00365	0.01147	0.01214	4.29
5.28	0.00664	0.00643	0.00250	0.00322	0.00359	0.01359	0.01455	4.06
6.06	0.00738	0.00662	0.00259	0.00309	0.00355	0.01673	0.01737	3.95
6.96	0.00793	0.00661	0.00259	0.00291	0.00335	0.02012	0.02143	3.73
8.00	0.00799	0.00581	0.00245	0.00263	0.00288	0.02514	0.02596	3.70
9.19	0.00672	0.00431	0.00205	0.00205	0.00241	0.03100	0.03216	3.32
10.56	0.00495	0.00239	0.00161	0.00155	0.00192	0.03847	0.03843	2.98
12.13	0.00320	0.00129	0.00136	0.00114	0.00174	0.04627	0.04858	3.01
13.93	0.00180	0.00067	0.00075	0.00091	0.00159	0.05370	0.05667	2.55
16.00	0.00103	0.00045	0.00060	0.00075	0.00142	0.06110	0.06632	1.80
18.38	0.00066	0.00015	0.00033	0.00049	0.00139	0.06274	0.07677	1.94
21.11	0.00035	..	0.00027	0.00025	0.00098	0.07972	0.08961	1.50
24.25	0.00035	..	0.00012	..	0.00177	0.09302	0.09741	1.64
27.86	0.00029	..	..	..	0.00119	0.11698	0.10674	1.42
32.00	..	..	..	..	0.00090	0.11615	0.10257	1.28
36.76	..	..	..	..	..	0.12723	0.09785	1.07
42.22	..	..	..	..	..	0.10446	0.07190	2.39
48.50	..	..	..	..	..	0.08289	0.04773	0.87
55.72	..	..	..	..	..	0.06398	0.02710	..
64.00	..	..	..	..	..	0.03725	0.00673	..
73.52	..	..	..	..	..	0.01520	..	..
84.45	..	..	..	..	..	0.01050	..	..
97.01	..	..	..	..	..	..	..	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..		..	..	..	..	..	..

Table 52. DIGS, raw data: Station HAS02-04, Mission 1998-015.

Station	**HAS2.04**	**HAS2.04**	**HAS2.04**	**HAS2.04**	**HAS2.04**	**HAS2.04**	**HAS2.04**	**HAS2.04**
Water Depth	1	25	50	70	79	(0.35-0.50)	(0.05-0.25)	79
Time GMT	2234	2234	2234	2234	2223	2302	2302	2204
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM	4.41	0.74	0.64	1.10	1.53	5.13	15.63	4.27
Total PPM	0.08932	0.06593	0.04182	0.07390	0.08609	2.44815	1.66788	100.00
Diameter (um)								
0.76								
0.87	0.00180	0.00180	0.00080	0.00136	0.00207	0.01649	0.01291	3.55
1.00	0.00214	0.00216	0.00092	0.00161	0.00239	0.01623	0.01262	3.98
1.15	0.00257	0.00265	0.00111	0.00183	0.00274	0.01602	0.01250	4.40
1.32	0.00303	0.00316	0.00131	0.00208	0.00313	0.01616	0.01258	4.84
1.52	0.00351	0.00359	0.00154	0.00232	0.00356	0.01646	0.01274	5.14
1.74	0.00399	0.00409	0.00165	0.00248	0.00387	0.01597	0.01281	5.27
2.00	0.00436	0.00458	0.00178	0.00255	0.00410	0.01655	0.01325	5.29
2.30	0.00472	0.00493	0.00193	0.00273	0.00430	0.01636	0.01341	5.32
2.64	0.00500	0.00500	0.00217	0.00286	0.00475	0.01762	0.01385	5.30
3.03	0.00510	0.00506	0.00236	0.00296	0.00457	0.01831	0.01524	5.34
3.48	0.00504	0.00530	0.00255	0.00327	0.00469	0.02017	0.01629	5.28
4.00	0.00537	0.00575	0.00271	0.00370	0.00533	0.02366	0.01781	5.23
4.59	0.00554	0.00592	0.00271	0.00384	0.00528	0.02693	0.01949	4.56
5.28	0.00598	0.00618	0.00287	0.00417	0.00548	0.03178	0.02227	4.30
6.06	0.00640	0.00617	0.00294	0.00449	0.00555	0.03655	0.02545	4.00
6.96	0.00657	0.00601	0.00287	0.00476	0.00555	0.04297	0.03099	3.67
8.00	0.00623	0.00526	0.00260	0.00507	0.00530	0.04945	0.03596	3.41
9.19	0.00482	0.00375	0.00196	0.00481	0.00425	0.05552	0.04264	3.00
10.56	0.00311	0.00210	0.00155	0.00450	0.00293	0.06258	0.05227	2.73
12.13	0.00184	0.00111	0.00109	0.00405	0.00205	0.07239	0.06025	2.40
13.93	0.00106	0.00064	0.00084	0.00340	0.00135	0.07997	0.07473	2.11
16.00	0.00050	0.00033	0.00056	0.00246	0.00095	0.08917	0.09101	1.67
18.38	0.00038	0.00022	0.00040	0.00137	0.00067	0.10289	0.10579	1.74
21.11	0.00025	0.00016	0.00033	0.00092	0.00071	0.12673	0.12835	1.70
24.25	..	..	0.00028	0.00031	0.00052	0.14561	0.13444	1.29
27.86	..	..	..	..	..	0.17408	0.14547	1.19
32.00	..	..	..	..	..	0.18595	0.14537	0.73
36.76	..	..	..	..	..	0.20601	0.14483	0.81
42.22	..	..	..	..	..	0.21090	0.10835	0.68
48.50	..	..	..	..	..	0.20044	0.07517	0.68
55.72	..	..	..	..	..	0.15834	0.03936	0.40
64.00	..	..	..	..	..	0.09720	0.01190	..
73.52	..	..	..	..	..	0.05741	0.00780	..
84.45	..	..	..	..	..	0.02528	..	..
97.01	..	..	..	..	..	..	..	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 53. DIGS, raw data: Station HAS02-05, Mission 1998-015.

Station	**HAS2.05**	**HAS2.05**	**HAS2.05**	**HAS2.05**	**HAS2.05**	**HAS2.05**	**HAS2.05**	**HAS2.05**
Water Depth	1	25	50	70	79	(0.35-0.50)	(0.05-0.25)	79
Time GMT	33	33	33	33	57	118	118	7
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM	3.37	0.62	2.01	0.39	1.75	5.24	5.87	3.57
Total PPM	0.09993	0.08110	0.03431	0.04703	0.06399	2.40570	0.91387	100.00
Diameter (um)								
0.76								
0.87	0.00232	0.00190	0.00069	0.00111	0.00215	0.05391	0.01555	2.74
1.00	0.00239	0.00227	0.00075	0.00129	0.00239	0.04653	0.01489	3.16
1.15	0.00284	0.00273	0.00084	0.00151	0.00267	0.04439	0.01489	3.58
1.32	0.00335	0.00322	0.00093	0.00174	0.00289	0.04233	0.01488	3.97
1.52	0.00385	0.00369	0.00100	0.00193	0.00300	0.04084	0.01484	4.34
1.74	0.00434	0.00412	0.00112	0.00204	0.00303	0.03837	0.01512	4.50
2.00	0.00472	0.00454	0.00120	0.00217	0.00304	0.03630	0.01519	4.65
2.30	0.00502	0.00483	0.00131	0.00221	0.00311	0.03440	0.01546	4.77
2.64	0.00533	0.00503	0.00143	0.00233	0.00305	0.03176	0.01595	4.99
3.03	0.00548	0.00506	0.00155	0.00251	0.00313	0.03239	0.01680	4.83
3.48	0.00565	0.00540	0.00161	0.00265	0.00320	0.03109	0.01672	4.69
4.00	0.00564	0.00530	0.00154	0.00273	0.00331	0.02815	0.01823	4.65
4.59	0.00609	0.00529	0.00146	0.00267	0.00299	0.02737	0.01965	4.45
5.28	0.00649	0.00522	0.00160	0.00300	0.00307	0.02851	0.02020	4.36
6.06	0.00683	0.00522	0.00169	0.00315	0.00322	0.03102	0.02067	4.30
6.96	0.00701	0.00486	0.00187	0.00310	0.00317	0.03436	0.02158	4.16
8.00	0.00660	0.00422	0.00197	0.00297	0.00303	0.03950	0.02409	4.06
9.19	0.00515	0.00309	0.00195	0.00247	0.00273	0.04530	0.02658	3.71
10.56	0.00326	0.00193	0.00186	0.00196	0.00225	0.05339	0.03078	3.58
12.13	0.00199	0.00123	0.00173	0.00138	0.00193	0.06498	0.03732	3.44
13.93	0.00120	0.00077	0.00157	0.00094	0.00147	0.07805	0.04511	3.08
16.00	0.00058	0.00049	0.00157	0.00049	0.00118	0.10089	0.05124	2.65
18.38	0.00071	0.00033	0.00120	0.00034	0.00092	0.13810	0.05494	2.33
21.11	0.00064	0.00016	0.00068	0.00020	0.00074	0.18623	0.07395	1.92
24.25	0.00090	0.00019	0.00060	0.00012	0.00032	0.23338	0.09187	2.07
27.86	0.00077	..	0.00021	..	0.00038	0.22997	0.08836	1.69
32.00	0.00079	..	0.00028	..	0.00046	0.22921	0.06102	1.15
36.76	..	..	0.00011	..	0.00038	0.16799	0.03121	1.46
42.22	..	..	..	..	0.00048	0.12011	0.01291	0.74
48.50	..	..	..	..	0.00029	0.06241	0.00624	..
55.72	..	..	..	..	..	0.03384	0.00479	..
64.00	..	..	..	..	..	0.02097	0.00285	..
73.52	..	..	..	..	..	0.01964	..	..
84.45	..	..	..	..	..	..	..	..
97.01	..	..	..	..	..	..	..	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 54. DIGS, raw data: Station HAS02-06, Mission 1998-015.

Station	HAS2.06	HAS2.06	HAS2.06	HAS2.06	HAS2.06	HAS2.06	HAS2.06	HAS2.06
Water Depth		25	50	70	79	(0.35-0.50)	(0.05-0.25)	79
Time GMT		240	240	240	225	301	301	204
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM		2.01	1.89	0.87	0.73	8.94	172.46	12.95
Total PPM		0.10038	0.02895	0.04892	0.06575	1.39360	86.56020	100.00
Diameter (um)								
0.76								
0.87	..	0.00180	0.00058	0.00129	0.00165	0.01793	0.01275	2.45
1.00	..	0.00215	0.00060	0.00151	0.00191	0.01697	0.01341	2.57
1.15	..	0.00265	0.00065	0.00180	0.00218	0.01639	0.01429	2.84
1.32	..	0.00314	0.00070	0.00206	0.00248	0.01607	0.01568	3.10
1.52	..	0.00367	0.00076	0.00219	0.00268	0.01557	0.01656	3.30
1.74	..	0.00420	0.00078	0.00234	0.00292	0.01579	0.01787	3.39
2.00	..	0.00477	0.00085	0.00244	0.00309	0.01606	0.01914	3.51
2.30	..	0.00519	0.00086	0.00248	0.00319	0.01644	0.02012	3.64
2.64	..	0.00550	0.00092	0.00262	0.00343	0.01733	0.02233	3.54
3.03	..	0.00553	0.00097	0.00284	0.00368	0.01838	0.02366	3.58
3.48	..	0.00571	0.00107	0.00302	0.00403	0.01964	0.02488	3.65
4.00	..	0.00639	0.00122	0.00285	0.00423	0.02084	0.02810	3.62
4.59	..	0.00677	0.00126	0.00290	0.00406	0.02312	0.02952	3.50
5.28	..	0.00732	0.00133	0.00302	0.00419	0.02512	0.03228	3.48
6.06	..	0.00756	0.00142	0.00302	0.00416	0.02848	0.03597	3.54
6.96	..	0.00759	0.00153	0.00292	0.00388	0.03110	0.04012	3.46
8.00	..	0.00700	0.00160	0.00251	0.00362	0.03434	0.04473	3.53
9.19	..	0.00520	0.00164	0.00211	0.00298	0.03936	0.04943	3.44
10.56	..	0.00327	0.00167	0.00155	0.00235	0.04501	0.05617	3.45
12.13	..	0.00224	0.00163	0.00118	0.00175	0.05246	0.06436	3.40
13.93	..	0.00133	0.00169	0.00100	0.00135	0.06283	0.07468	3.29
16.00	..	0.00067	0.00186	0.00058	0.00094	0.07886	0.08223	3.35
18.38	..	0.00045	0.00153	0.00035	0.00052	0.09931	0.09212	3.31
21.11	..	0.00025	0.00097	0.00023	0.00039	0.12715	0.10475	2.68
24.25	..	..	0.00048	0.00011	0.00008	0.13664	0.12077	2.84
27.86	..	..	0.00025	..	..	0.13052	0.12969	2.82
32.00	..	..	0.00015	..	..	0.10935	0.11282	3.05
36.76	..	..	..	..	..	0.07579	0.09245	2.33
42.22	..	..	..	..	..	0.04441	0.06608	2.01
48.50	..	..	..	..	..	0.02318	0.05570	2.45
55.72	..	..	..	..	..	0.01128	0.05835	3.03
64.00	..	..	..	..	..	0.00789	0.08614	1.84
73.52	..	..	..	..	..	..	0.11538	..
84.45	..	..	..	..	..	..	0.15511	..
97.01	..	..	..	..	..	..	0.23368	..
111.43	..	..	..	..	..	..	0.27069	..
128.00	..	..	..	..	..	..	0.48732	..
147.03	..	..	..	..	..	..	0.82137	..
168.90	..	..	..	..	..	..	2.18904	..
194.01	..	..	..	..	..	..	5.94838	..
222.86	..	..	..	..	..	..	15.01847	..
256.00	..	..	..	..	..	..	18.47033	..
294.07	..	..	..	..	..	..	18.79922	..
337.79	..	..	..	..	..	..	13.15794	..
388.02	..	..	..	..	..	..	6.33722	..
445.72	..	..	..	..	..	..	2.89888	..
512.00		..	..	..	..	..	..	..

Table 55. DIGS, raw data: Station HAS02-07, Mission 1998.015.

Station	HAS2.07	HAS2.07	HAS2.07	HAS2.07	HAS2.07	HAS2.07	HAS2.07	HAS2.07
Water Depth	1	25	50	70	77	(0.35-0.50)	(0.05-0.25)	78
Time GMT	420	420	420	420	444	508	508	404
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM	1.68	0.73	0.54	0.49	1.12	13.74	2323.43	12.79
Total PPM	0.13758	0.07729	0.03378	0.06362	0.10663	0.89452	1141.85006	100.00
Diameter (um)								
0.76								
0.87	0.00285	0.00137	0.00064	0.00141	0.00205	0.01176	0.05482	2.73
1.00	0.00337	0.00165	0.00076	0.00170	0.00245	0.01247	0.06066	3.07
1.15	0.00406	0.00206	0.00091	0.00200	0.00298	0.01369	0.06709	3.52
1.32	0.00483	0.00242	0.00108	0.00223	0.00344	0.01516	0.07373	3.90
1.52	0.00562	0.00281	0.00119	0.00246	0.00401	0.01645	0.08058	4.26
1.74	0.00654	0.00325	0.00134	0.00261	0.00461	0.01765	0.08450	4.40
2.00	0.00723	0.00361	0.00150	0.00276	0.00488	0.01884	0.08636	4.52
2.30	0.00785	0.00384	0.00158	0.00283	0.00536	0.02028	0.08892	4.56
2.64	0.00826	0.00397	0.00172	0.00302	0.00560	0.02230	0.09151	4.59
3.03	0.00830	0.00413	0.00189	0.00321	0.00558	0.02359	0.09055	4.65
3.48	0.00866	0.00449	0.00216	0.00327	0.00562	0.02720	0.09330	4.70
4.00	0.00804	0.00486	0.00219	0.00339	0.00636	0.03105	0.09697	4.51
4.59	0.00848	0.00507	0.00221	0.00342	0.00678	0.03379	0.09187	4.42
5.28	0.00922	0.00550	0.00237	0.00370	0.00733	0.03724	0.08594	4.45
6.06	0.00978	0.00580	0.00248	0.00391	0.00766	0.04239	0.08396	4.52
6.96	0.00961	0.00572	0.00239	0.00398	0.00787	0.04641	0.07868	4.37
8.00	0.00842	0.00543	0.00223	0.00382	0.00734	0.05076	0.07448	4.23
9.19	0.00610	0.00434	0.00181	0.00343	0.00628	0.05261	0.06673	3.98
10.56	0.00346	0.00293	0.00128	0.00304	0.00417	0.05753	0.05704	3.64
12.13	0.00207	0.00187	0.00085	0.00259	0.00276	0.05973	0.04828	3.18
13.93	0.00132	0.00109	0.00051	0.00193	0.00174	0.06299	0.04215	2.75
16.00	0.00115	0.00055	0.00040	0.00132	0.00087	0.06253	0.03383	2.32
18.38	0.00092	0.00043	0.00018	0.00073	0.00037	0.05403	0.02885	2.38
21.11	0.00080	0.00011	0.00012	0.00041	0.00030	0.04519	0.02238	1.98
24.25	0.00066	..	..	0.00021	0.00021	0.02957	0.02445	2.23
27.86	..	..	..	0.00015	..	0.01348	0.04461	1.88
32.00	..	..	..	0.00009	..	0.00866	0.07713	1.24
36.76	..	..	..	..	..	0.00530	0.10795	1.26
42.22	..	..	..	..	..	0.00186	0.17510	1.09
48.50	..	..	..	..	..	..	0.27704	0.64
55.72	..	..	..	..	..	..	0.48262	..
64.00	..	..	..	..	..	..	0.65429	..
73.52	..	..	..	..	..	..	0.97117	..
84.45	..	..	..	..	..	..	1.28819	..
97.01	..	..	..	..	..	..	1.62306	..
111.43	..	..	..	..	..	..	2.73070	..
128.00	..	..	..	..	..	..	3.40155	..
147.03	..	..	..	..	..	..	8.93538	..
168.90	..	..	..	..	..	..	21.60065	..
194.01	..	..	..	..	..	..	68.09406	..
222.86	..	..	..	..	..	..	181.85475	..
256.00	..	..	..	..	..	..	248.64654	..
294.07	..	..	..	..	..	..	248.51948	..
337.79	..	..	..	..	..	..	183.64140	..
388.02	..	..	..	..	..	..	95.51796	..
445.72	..	..	..	..	..	..	47.55387	..
512.00	..	..	..	..	..	..	23.94494	..

Table 56. DIGS, raw data: Station HAS02-08, Mission 1998015.

Station	**HAS2.08**	**HAS2.08**	**HAS2.08**	**HAS2.08**	**HAS2.08**	**HAS2.08**	**HAS2.08**	**HAS2.08**
Water Depth	1	25	50	68	78	(0.35-0.50)	(0.05-0.25)	77
Time GMT	640	640	640	640	624	657	657	606
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM	0.86	0.70	1.68	0.51	0.94	4.26	2.34	11.33
Total PPM	0.11465	0.01611	0.04327	0.04782	0.06494	0.45426	0.63662	100.00
Diameter (um)								
0.76								
0.87	0.00220	0.00030	0.00104	0.00116	0.00180	0.00541	0.00713	2.67
1.00	0.00251	0.00034	0.00110	0.00134	0.00218	0.00553	0.00733	3.22
1.15	0.00299	0.00042	0.00121	0.00153	0.00251	0.00577	0.00743	3.80
1.32	0.00355	0.00049	0.00135	0.00175	0.00285	0.00615	0.00748	4.29
1.52	0.00417	0.00056	0.00144	0.00197	0.00310	0.00651	0.00787	4.70
1.74	0.00481	0.00062	0.00157	0.00209	0.00326	0.00717	0.00787	4.99
2.00	0.00529	0.00070	0.00172	0.00225	0.00346	0.00744	0.00804	5.06
2.30	0.00590	0.00076	0.00191	0.00233	0.00353	0.00811	0.00839	5.27
2.64	0.00609	0.00084	0.00208	0.00252	0.00373	0.00865	0.00912	5.17
3.03	0.00617	0.00088	0.00233	0.00265	0.00396	0.00942	0.00932	5.28
3.48	0.00637	0.00094	0.00234	0.00281	0.00387	0.01102	0.00982	5.04
4.00	0.00669	0.00101	0.00241	0.00301	0.00392	0.01148	0.00992	4.86
4.59	0.00774	0.00106	0.00242	0.00291	0.00371	0.01262	0.01141	4.61
5.28	0.00836	0.00109	0.00254	0.00294	0.00360	0.01455	0.01214	4.50
6.06	0.00898	0.00114	0.00262	0.00297	0.00345	0.01645	0.01338	4.29
6.96	0.00902	0.00113	0.00274	0.00279	0.00304	0.01845	0.01476	4.12
8.00	0.00829	0.00108	0.00261	0.00263	0.00277	0.02097	0.01679	3.85
9.19	0.00630	0.00080	0.00251	0.00218	0.00225	0.02259	0.01949	3.46
10.56	0.00394	0.00058	0.00218	0.00174	0.00199	0.02414	0.02358	3.20
12.13	0.00247	0.00042	0.00162	0.00135	0.00151	0.02730	0.02721	2.87
13.93	0.00137	0.00029	0.00124	0.00111	0.00112	0.03057	0.03311	2.76
16.00	0.00083	0.00021	0.00090	0.00075	0.00112	0.03389	0.04060	2.30
18.38	0.00061	0.00018	0.00068	0.00047	0.00069	0.03910	0.05132	1.70
21.11	..	0.00013	0.00028	0.00025	0.00071	0.03721	0.05126	1.66
24.25	..	0.00013	0.00025	0.00018	0.00057	0.02993	0.05836	1.72
27.86	..	..	0.00021	0.00015	0.00022	0.01819	0.04790	1.54
32.00	..	..	..	..	..	0.01077	0.04342	1.28
36.76	..	..	..	..	..	0.00488	0.03069	1.03
42.22	..	..	..	..	..	..	0.02078	0.76
48.50	..	..	..	..	..	..	0.00856	..
55.72	..	..	..	..	..	..	0.00430	..
64.00	..	..	..	..	..	..	0.00112	..
73.52	..	..	..	..	..	..	..	..
84.45	..	..	..	..	..	..	..	..
97.01	..	..	..	..	..	..	..	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 57. DIGS, raw data: Station HAS02-09, Mission 1998-015.

Station	**HAS2.09**	**HAS2.09**	**HAS2.09**	**HAS2.09**	**HAS2.09**	**HAS2.09**	**HAS2.09**	**HAS2.09**
Water Depth	1	25	50	68	79	(0.35-0.50)	(0.05-0.25)	78
Time GMT	826	826	826	826	845	930	930	805
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM	0.73	0.41	1.30	0.36	0.58	3.34	3.87	213.96
Total PPM	0.08528	0.09376	0.00496	0.06196	0.07051	1.25553	0.88677	100.00
Diameter (um)								
0.76								
0.87	0.00186	0.00218	0.00007	0.00181	0.00199	0.00913	0.01061	4.05
1.00	0.00230	0.00260	0.00008	0.00211	0.00231	0.00868	0.01029	4.55
1.15	0.00277	0.00309	0.00009	0.00239	0.00262	0.00844	0.01032	5.08
1.32	0.00334	0.00368	0.00011	0.00267	0.00300	0.00843	0.01017	5.50
1.52	0.00392	0.00429	0.00011	0.00288	0.00327	0.00866	0.00996	5.71
1.74	0.00449	0.00479	0.00012	0.00303	0.00353	0.00869	0.00972	5.77
2.00	0.00504	0.00532	0.00013	0.00312	0.00365	0.00906	0.00947	5.86
2.30	0.00525	0.00578	0.00014	0.00315	0.00378	0.00944	0.00916	5.78
2.64	0.00541	0.00587	0.00015	0.00323	0.00412	0.00997	0.00891	5.63
3.03	0.00533	0.00583	0.00015	0.00339	0.00420	0.01021	0.00869	5.53
3.48	0.00539	0.00613	0.00017	0.00343	0.00438	0.01111	0.00868	5.31
4.00	0.00586	0.00685	0.00015	0.00348	0.00423	0.01340	0.01002	5.26
4.59	0.00575	0.00681	0.00018	0.00346	0.00394	0.01454	0.01046	4.66
5.28	0.00575	0.00673	0.00019	0.00357	0.00385	0.01706	0.01165	4.29
6.06	0.00558	0.00645	0.00021	0.00361	0.00359	0.02047	0.01313	3.94
6.96	0.00527	0.00570	0.00022	0.00356	0.00333	0.02477	0.01447	3.66
8.00	0.00442	0.00461	0.00022	0.00319	0.00295	0.03102	0.01664	3.30
9.19	0.00313	0.00295	0.00021	0.00279	0.00235	0.03755	0.01850	2.93
10.56	0.00195	0.00172	0.00018	0.00220	0.00208	0.04634	0.02077	2.59
12.13	0.00110	0.00098	0.00013	0.00165	0.00163	0.05458	0.02431	2.29
13.93	0.00070	0.00063	0.00020	0.00105	0.00139	0.06093	0.03000	1.84
16.00	0.00038	0.00045	0.00021	0.00069	0.00135	0.06819	0.03818	1.33
18.38	0.00029	0.00017	0.00013	0.00041	0.00086	0.07255	0.04497	1.34
21.11	..	0.00015	0.00016	0.00038	0.00095	0.08642	0.07035	1.07
24.25	..	..	0.00015	0.00035	0.00081	0.10477	0.09817	0.88
27.86	..	..	0.00017	0.00025	0.00035	0.11683	0.10175	0.44
32.00	..	..	0.00017	0.00013	..	0.13159	0.10169	0.61
36.76	..	..	0.00023	..	..	0.09879	0.07536	0.48
42.22	..	..	0.00037	..	..	0.08048	0.04474	0.35
48.50	..	..	0.00012	..	..	0.04925	0.02407	..
55.72	..	..	..	..	..	0.02419	0.00781	..
64.00	..	..	..	..	..	..	0.00378	..
73.52	..	..	..	..	..	..	..	..
84.45	..	..	..	..	..	..	..	..
97.01	..	..	..	..	..	..	..	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 58. DIGS, raw data: Station HAS02-10, Mission 1998-015.

Station	HAS2.10	HAS2.10	HAS2.10	HAS2.10	HAS2.10	HAS2.10	HAS2.10	HAS2.10
Water Depth	1	25	50	68	79	(0.35-0.50)	(0.05-0.25)	79
Time GMT	1039	1039	1039	1039	1026	1104	1104	1009
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM	2.02	5.97	2.17	1.12	4.50	4.85	29.01	4.44
Total PPM	0.11284	0.11189	0.03697	0.07449	0.11997	1.93857	1.76641	100.00
Diameter (um)								
0.76								
0.87	0.00199	0.00218	0.00081	0.00106	0.00258	0.02477	0.02064	2.99
1.00	0.00239	0.00240	0.00098	0.00124	0.00300	0.02345	0.01982	3.39
1.15	0.00292	0.00286	0.00115	0.00150	0.00353	0.02302	0.01954	3.83
1.32	0.00347	0.00336	0.00133	0.00173	0.00396	0.02255	0.01932	4.21
1.52	0.00410	0.00382	0.00144	0.00198	0.00444	0.02305	0.01854	4.60
1.74	0.00482	0.00436	0.00156	0.00215	0.00490	0.02369	0.01862	4.90
2.00	0.00537	0.00478	0.00166	0.00231	0.00530	0.02403	0.01824	5.10
2.30	0.00579	0.00501	0.00177	0.00246	0.00524	0.02400	0.01809	5.35
2.64	0.00590	0.00517	0.00181	0.00269	0.00550	0.02630	0.01823	5.58
3.03	0.00604	0.00534	0.00197	0.00299	0.00548	0.02715	0.01879	5.81
3.48	0.00610	0.00554	0.00209	0.00337	0.00624	0.03048	0.01908	5.75
4.00	0.00702	0.00610	0.00222	0.00357	0.00595	0.02970	0.02060	6.18
4.59	0.00697	0.00606	0.00223	0.00369	0.00669	0.03148	0.02270	5.82
5.28	0.00749	0.00651	0.00238	0.00410	0.00711	0.03601	0.02366	5.71
6.06	0.00783	0.00709	0.00255	0.00440	0.00756	0.04011	0.02583	5.47
6.96	0.00808	0.00735	0.00259	0.00474	0.00777	0.04477	0.02933	4.96
8.00	0.00777	0.00736	0.00244	0.00487	0.00769	0.04910	0.03338	4.37
9.19	0.00659	0.00641	0.00202	0.00478	0.00683	0.05514	0.03873	3.66
10.56	0.00457	0.00497	0.00153	0.00459	0.00523	0.05922	0.04680	2.78
12.13	0.00260	0.00338	0.00102	0.00425	0.00365	0.06829	0.05754	2.32
13.93	0.00159	0.00211	0.00066	0.00402	0.00255	0.07496	0.06726	1.74
16.00	0.00092	0.00147	0.00038	0.00329	0.00193	0.08570	0.08290	1.43
18.38	0.00053	0.00106	0.00024	0.00225	0.00138	0.09774	0.10860	1.12
21.11	0.00018	0.00057	0.00013	0.00129	0.00132	0.12660	0.14723	1.05
24.25	0.00018	0.00055	..	0.00069	0.00078	0.14114	0.19129	0.87
27.86	..	0.00034	..	0.00045	0.00073	0.17832	0.21532	0.56
32.00	..	0.00059	..	..	0.00054	0.18590	0.18291	0.45
36.76	..	0.00064	..	..	..	0.15520	0.12992	..
42.22	..	0.00084	..	..	..	0.11830	0.07172	..
48.50	..	0.00103	..	..	..	0.06971	0.02703	..
55.72	..	0.00048	..	..	..	0.01867	0.00898	..
64.00	..	..	..	..	..	..	0.00310	..
73.52	..	..	..	..	..	..	0.00219	..
84.45	..	..	..	..	..	..	..	..
97.01	..	..	..	..	..	..	..	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 59. DIGS, raw data: Station HAS02-11, Mission 1998-015.

Station	**HAS2.11**	**HAS2.11**	**HAS2.11**	**HAS2.11**	**HAS2.11**	**HAS2.11**	**HAS2.11**	**HAS2.11**
Water Depth	1	25	50	70	78	(0.35-0.50)	(0.05-0.25)	79
Time GMT	1226	1226	1226	1226	1246	1313	1313	0
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM	0.46	0.55	1.85	0.26	0.86	439.50	8.54	3.29
Total PPM	0.09524	0.09300	0.03282	0.06177	0.10300	103.94541	0.51862	100.00
Diameter (um)								
0.76								
0.87	0.00151	0.00151	0.00069	0.00167	0.00216	0.02078	0.00382	3.00
1.00	0.00178	0.00192	0.00079	0.00198	0.00260	0.02371	0.00416	3.39
1.15	0.00221	0.00237	0.00092	0.00231	0.00309	0.02746	0.00460	3.82
1.32	0.00276	0.00289	0.00104	0.00263	0.00361	0.03168	0.00512	4.30
1.52	0.00332	0.00336	0.00117	0.00286	0.00409	0.03574	0.00563	4.69
1.74	0.00400	0.00386	0.00125	0.00309	0.00451	0.03986	0.00615	4.91
2.00	0.00458	0.00425	0.00138	0.00323	0.00481	0.04368	0.00690	5.18
2.30	0.00502	0.00448	0.00152	0.00342	0.00509	0.04917	0.00741	5.46
2.64	0.00539	0.00475	0.00158	0.00354	0.00555	0.05523	0.00818	5.66
3.03	0.00528	0.00506	0.00173	0.00379	0.00619	0.06007	0.00903	5.83
3.48	0.00537	0.00525	0.00193	0.00388	0.00662	0.06654	0.01021	6.02
4.00	0.00628	0.00580	0.00186	0.00387	0.00671	0.07657	0.01148	6.49
4.59	0.00710	0.00627	0.00189	0.00374	0.00641	0.08310	0.01233	5.97
5.28	0.00760	0.00681	0.00204	0.00400	0.00642	0.09460	0.01363	5.67
6.06	0.00777	0.00723	0.00213	0.00392	0.00650	0.10768	0.01559	5.22
6.96	0.00755	0.00744	0.00220	0.00369	0.00614	0.12128	0.01737	4.63
8.00	0.00650	0.00702	0.00211	0.00331	0.00553	0.13341	0.01909	3.87
9.19	0.00457	0.00523	0.00192	0.00244	0.00472	0.14891	0.02024	3.18
10.56	0.00279	0.00333	0.00144	0.00174	0.00365	0.16245	0.02239	2.53
12.13	0.00159	0.00191	0.00115	0.00127	0.00290	0.17423	0.02450	2.07
13.93	0.00094	0.00115	0.00089	0.00068	0.00221	0.17575	0.02698	1.87
16.00	0.00062	0.00063	0.00048	0.00048	0.00132	0.16561	0.03036	1.47
18.38	0.00033	0.00034	0.00025	0.00024	0.00100	0.15404	0.03264	1.29
21.11	0.00024	0.00013	0.00023	..	0.00076	0.12533	0.03817	0.74
24.25	0.00017	..	0.00023	..	0.00040	0.11032	0.03721	0.77
27.86	..	..	..	..	..	0.07110	0.04134	0.59
32.00	..	..	..	..	..	0.05529	0.03445	0.41
36.76	..	..	..	..	..	0.02949	0.02438	0.43
42.22	..	..	..	..	..	0.02954	0.01518	0.32
48.50	..	..	..	..	..	0.04376	0.00685	0.21
55.72	..	..	..	..	..	0.07833	0.00324	..
64.00	..	..	..	..	..	0.09607	..	..
73.52	..	..	..	..	..	0.13103	..	..
84.45	..	..	..	..	..	0.16040	..	..
97.01	..	..	..	..	..	0.21656	..	..
111.43	..	..	..	..	..	0.26156	..	..
128.00	..	..	..	..	..	0.53582	..	..
147.03	..	..	..	..	..	0.74558	..	..
168.90	..	..	..	..	..	2.02411	..	..
194.01	..	..	..	..	..	6.32162	..	..
222.86	..	..	..	..	..	16.55443	..	..
256.00	..	..	..	..	..	22.03936	..	..
294.07	..	..	..	..	..	22.12993	..	..
337.79	..	..	..	..	..	14.65220	..	..
388.02	..	..	..	..	..	8.54041	..	..
445.72	..	..	..	..	..	4.28309	..	..
512.00	..	..	..	..	..	2.65857	..	..

Table 60. DIGS, raw data: Station HAS02-12, Mission 1998-015.

Station	HAS2.12	HAS2.12	HAS2.12	HAS2.12	HAS2.12	HAS2.12	HAS2.12	HAS2.12
Water Depth	1	25	50	70	78	(0.35-0.50)	(0.05-0.25)	78
Time GMT	1441	1441	1441	1441	1426	1506	1506	1302
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM	0.74	7.57	0.98	0.42	1.12	12.18	12.60	10.07
Total PPM	0.12453	0.11215	0.00757	0.06486	0.08808	1.15882	0.90409	100.00
Diameter (um)								
0.76								
0.87	0.00243	0.00219	0.00017	0.00154	0.00210	0.00791	0.00860	2.56
1.00	0.00282	0.00258	0.00020	0.00180	0.00243	0.00782	0.00820	2.93
1.15	0.00342	0.00314	0.00025	0.00211	0.00285	0.00785	0.00816	3.35
1.32	0.00407	0.00376	0.00026	0.00241	0.00330	0.00778	0.00804	3.83
1.52	0.00481	0.00441	0.00030	0.00256	0.00374	0.00762	0.00791	4.30
1.74	0.00554	0.00504	0.00032	0.00273	0.00411	0.00750	0.00767	4.67
2.00	0.00624	0.00562	0.00032	0.00278	0.00457	0.00739	0.00750	4.86
2.30	0.00675	0.00616	0.00035	0.00298	0.00477	0.00715	0.00750	5.32
2.64	0.00731	0.00637	0.00037	0.00312	0.00492	0.00701	0.00729	5.33
3.03	0.00724	0.00638	0.00045	0.00328	0.00496	0.00702	0.00718	5.52
3.48	0.00728	0.00672	0.00046	0.00346	0.00502	0.00735	0.00742	5.60
4.00	0.00820	0.00734	0.00042	0.00327	0.00562	0.00739	0.00774	5.66
4.59	0.00859	0.00770	0.00044	0.00333	0.00565	0.00753	0.00795	5.16
5.28	0.00907	0.00810	0.00047	0.00353	0.00578	0.00830	0.00860	4.86
6.06	0.00911	0.00842	0.00049	0.00375	0.00584	0.00897	0.00944	4.40
6.96	0.00874	0.00825	0.00049	0.00387	0.00554	0.01006	0.01041	3.89
8.00	0.00751	0.00702	0.00047	0.00384	0.00499	0.01129	0.01139	3.43
9.19	0.00563	0.00523	0.00040	0.00371	0.00393	0.01281	0.01243	2.95
10.56	0.00380	0.00331	0.00032	0.00328	0.00285	0.01465	0.01446	2.48
12.13	0.00248	0.00213	0.00023	0.00278	0.00185	0.01780	0.01573	2.18
13.93	0.00158	0.00126	0.00009	0.00209	0.00123	0.02253	0.01872	1.88
16.00	0.00099	0.00059	0.00017	0.00139	0.00077	0.02575	0.02310	1.73
18.38	0.00050	0.00041	0.00012	0.00073	0.00060	0.03358	0.03166	1.55
21.11	0.00023	..	..	0.00034	0.00041	0.04246	0.04193	1.77
24.25	0.00018	..	..	0.00020	0.00026	0.05203	0.05575	1.53
27.86	..	..	..	..	..	0.07007	0.07767	1.55
32.00	..	..	..	..	..	0.09001	0.09386	1.80
36.76	..	..	..	..	..	0.10091	0.09768	1.18
42.22	..	..	..	..	..	0.11592	0.07959	2.22
48.50	..	..	..	..	..	0.10260	0.06373	1.50
55.72	..	..	..	..	..	0.13027	0.04472	..
64.00	..	..	..	..	..	0.09015	0.03706	..
73.52	..	..	..	..	..	0.05874	0.02464	..
84.45	..	..	..	..	..	0.03216	0.01832	..
97.01	..	..	..	..	..	0.01044	0.01202	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 61. DIGS, raw data: Station HAS03-01, Mission 1998-015.

Station	**HAS3.01**	**HAS3.01**	**HAS3.01**	**HAS3.01**	**HAS3.01**	**HAS3.01**	**HAS3.01**	**HAS3.01**
Water Depth	1	25	50	70	74	(0.35-0.50)	(0.05-0.25)	74
Time GMT	2144	2144	2144	2144	2128	2226	2226	2112
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM								
Total PPM	0.11560	0.14014	0.03289	0.04202	0.11300	1.63044	2.47062	100.00
Diameter (um)								
0.76								
0.87	0.00174	0.00234	0.00062	0.00102	0.00244	0.00993	0.01245	3.47
1.00	0.00209	0.00279	0.00072	0.00122	0.00271	0.00995	0.01297	3.80
1.15	0.00247	0.00336	0.00086	0.00143	0.00298	0.01004	0.01382	4.22
1.32	0.00306	0.00411	0.00099	0.00165	0.00322	0.01061	0.01450	4.65
1.52	0.00366	0.00485	0.00115	0.00181	0.00339	0.01086	0.01549	4.97
1.74	0.00428	0.00570	0.00131	0.00196	0.00342	0.01102	0.01613	5.22
2.00	0.00479	0.00666	0.00141	0.00204	0.00359	0.01161	0.01663	5.48
2.30	0.00540	0.00724	0.00157	0.00205	0.00371	0.01200	0.01676	5.42
2.64	0.00568	0.00769	0.00174	0.00228	0.00387	0.01248	0.01860	5.42
3.03	0.00596	0.00781	0.00187	0.00235	0.00404	0.01323	0.01921	5.36
3.48	0.00694	0.00882	0.00203	0.00231	0.00440	0.01498	0.01975	5.17
4.00	0.00791	0.01032	0.00215	0.00245	0.00432	0.01778	0.02146	4.39
4.59	0.00839	0.01067	0.00224	0.00248	0.00436	0.02022	0.02346	3.91
5.28	0.00888	0.01096	0.00233	0.00251	0.00549	0.02307	0.02657	3.68
6.06	0.00908	0.01067	0.00230	0.00253	0.00631	0.02699	0.03017	3.54
6.96	0.00882	0.00995	0.00220	0.00252	0.00725	0.03064	0.03410	3.60
8.00	0.00745	0.00820	0.00195	0.00236	0.00787	0.03468	0.03872	3.87
9.19	0.00617	0.00613	0.00166	0.00196	0.00814	0.04046	0.04512	3.99
10.56	0.00552	0.00457	0.00137	0.00174	0.00814	0.04461	0.05204	3.89
12.13	0.00343	0.00295	0.00092	0.00129	0.00732	0.05081	0.05956	3.73
13.93	0.00224	0.00181	0.00072	0.00097	0.00600	0.05675	0.07275	3.07
16.00	0.00166	0.00135	0.00040	0.00056	0.00383	0.06395	0.08550	2.38
18.38	..	0.00071	0.00027	0.00030	0.00293	0.07528	0.10240	1.78
21.11	..	0.00049	0.00011	0.00021	0.00180	0.08213	0.12994	1.35
24.25	..	..	..	..	0.00145	0.09831	0.14749	1.21
27.86	..	..	..	..	..	0.11160	0.17660	1.02
32.00	..	..	..	..	..	0.13521	0.19554	0.40
36.76	..	..	..	..	..	0.14705	0.20674	0.37
42.22	..	..	..	..	..	0.15153	0.21592	0.38
48.50	..	..	..	..	..	0.12201	0.18655	0.24
55.72	..	..	..	..	..	0.08758	0.16641	..
64.00	..	..	..	..	..	0.04765	0.12736	..
73.52	..	..	..	..	..	0.02662	0.08043	..
84.45	..	..	..	..	..	0.00879	0.05125	..
97.01	..	..	..	..	..	..	0.01821	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 62. DIGS, raw data: Station HAS03-02, Mission 1998-015.

Station	HAS3.02	HAS3.02	HAS3.02	HAS3.02	HAS3.02	HAS3.02	HAS3.02	HAS3.02
Water Depth	1	25	50	70	74	(0.35-0.50)	(0.05-0.25)	74
Time GMT	2315	2315	2315	2315	2335	16	16	2258
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM								
Total PPM	0.11118	0.12835	0.04966	0.05425	0.04965	0.89590	1.00798	100.00
Diameter (um)								
0.76								
0.87	0.00244	0.00210	0.00074	0.00117	0.00115	0.00809	0.01031	2.60
1.00	0.00277	0.00235	0.00090	0.00137	0.00130	0.00805	0.00989	2.92
1.15	0.00330	0.00286	0.00109	0.00161	0.00151	0.00819	0.01023	3.37
1.32	0.00358	0.00355	0.00133	0.00181	0.00171	0.00851	0.01066	3.82
1.52	0.00402	0.00421	0.00154	0.00201	0.00186	0.00869	0.01118	4.31
1.74	0.00464	0.00504	0.00175	0.00209	0.00194	0.00900	0.01154	4.81
2.00	0.00507	0.00573	0.00198	0.00215	0.00213	0.00956	0.01181	5.34
2.30	0.00570	0.00639	0.00221	0.00236	0.00215	0.01014	0.01236	5.90
2.64	0.00599	0.00708	0.00248	0.00234	0.00217	0.01070	0.01312	6.47
3.03	0.00647	0.00789	0.00275	0.00257	0.00247	0.01158	0.01401	7.14
3.48	0.00707	0.00799	0.00309	0.00249	0.00254	0.01393	0.01393	7.32
4.00	0.00824	0.00942	0.00320	0.00276	0.00265	0.01456	0.01622	8.03
4.59	0.00795	0.00945	0.00310	0.00261	0.00280	0.01572	0.01639	6.81
5.28	0.00787	0.00948	0.00331	0.00274	0.00292	0.01731	0.01793	5.70
6.06	0.00763	0.00906	0.00347	0.00281	0.00295	0.01914	0.01944	4.59
6.96	0.00713	0.00839	0.00338	0.00283	0.00310	0.02134	0.02150	3.77
8.00	0.00586	0.00704	0.00321	0.00286	0.00291	0.02452	0.02423	3.23
9.19	0.00444	0.00570	0.00296	0.00273	0.00260	0.02698	0.02696	2.81
10.56	0.00433	0.00517	0.00285	0.00262	0.00233	0.03185	0.03096	2.43
12.13	0.00290	0.00334	0.00204	0.00258	0.00190	0.03582	0.03596	2.23
13.93	0.00139	0.00222	0.00121	0.00230	0.00152	0.03963	0.04123	1.60
16.00	0.00091	0.00175	0.00065	0.00186	0.00113	0.04734	0.04902	1.50
18.38	0.00072	0.00095	0.00042	0.00142	0.00090	0.05396	0.06139	1.08
21.11	0.00055	0.00077	..	0.00110	0.00051	0.06205	0.07680	0.61
24.25	0.00024	0.00041	..	0.00053	0.00025	0.07262	0.08980	0.85
27.86	..	..	..	0.00032	0.00024	0.07392	0.10154	0.44
32.00	..	..	..	0.00021	..	0.07524	0.09840	0.33
36.76	..	..	..	..	..	0.06203	0.07401	..
42.22	..	..	..	..	..	0.05152	0.04541	..
48.50	..	..	..	..	..	0.02800	0.02105	..
55.72	..	..	..	..	..	0.01355	0.01070	..
64.00	..	..	..	..	..	0.00235	..	..
73.52	..	..	..	..	..	..	..	..
84.45	..	..	..	..	..	..	..	..
97.01	..	..	..	..	..	..	..	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 63. DIGS, raw data: Station HAS03-03, Mission 1998-015.

Station	HAS03.03	HAS03.03	HAS03.03	HAS03.03	HAS03.03	HAS03.03	HAS03.03	HAS03.03
Water Depth	1	25	50	70	74	(0.35-0.50)	(0.05-0.25)	74
Time GMT	132	132	132	132	119	155	155	106
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM								
Total PPM	0.10238	0.11589	0.06095	0.04862	0.12813	0.63500	63.38228	100.00
Diameter (um)								
0.76								
0.87	0.00186	0.00182	0.00096	0.00106	0.00281	0.00736	0.02919	3.35
1.00	0.00219	0.00206	0.00105	0.00121	0.00323	0.00745	0.03240	3.72
1.15	0.00265	0.00248	0.00124	0.00137	0.00373	0.00771	0.03665	4.19
1.32	0.00317	0.00291	0.00147	0.00158	0.00432	0.00827	0.04075	4.62
1.52	0.00381	0.00345	0.00169	0.00171	0.00498	0.00856	0.04390	5.09
1.74	0.00430	0.00413	0.00199	0.00184	0.00569	0.00918	0.04785	5.32
2.00	0.00498	0.00461	0.00229	0.00190	0.00623	0.01001	0.05045	5.71
2.30	0.00549	0.00524	0.00264	0.00195	0.00689	0.01041	0.05331	5.93
2.64	0.00581	0.00581	0.00289	0.00207	0.00731	0.01147	0.05508	5.93
3.03	0.00611	0.00613	0.00331	0.00224	0.00732	0.01157	0.06107	5.82
3.48	0.00678	0.00702	0.00370	0.00232	0.00762	0.01256	0.06095	5.48
4.00	0.00821	0.00812	0.00392	0.00248	0.00858	0.01324	0.06051	4.89
4.59	0.00814	0.00822	0.00368	0.00257	0.00857	0.01453	0.06868	4.39
5.28	0.00793	0.00803	0.00387	0.00271	0.00860	0.01661	0.07716	4.04
6.06	0.00737	0.00777	0.00390	0.00288	0.00826	0.01848	0.08273	3.70
6.96	0.00630	0.00704	0.00385	0.00303	0.00750	0.02094	0.08537	3.27
8.00	0.00500	0.00606	0.00385	0.00310	0.00653	0.02380	0.08881	3.02
9.19	0.00389	0.00510	0.00373	0.00304	0.00490	0.02691	0.09451	2.81
10.56	0.00379	0.00506	0.00410	0.00284	0.00469	0.03221	0.09280	2.56
12.13	0.00209	0.00316	0.00316	0.00241	0.00306	0.03545	0.09256	2.37
13.93	0.00113	0.00193	0.00192	0.00181	0.00181	0.04199	0.09117	2.39
16.00	0.00072	0.00127	0.00083	0.00114	0.00186	0.04836	0.08241	2.20
18.38	0.00041	0.00091	0.00049	0.00084	0.00129	0.05452	0.07567	1.89
21.11	0.00025	0.00088	0.00026	0.00033	0.00103	0.05708	0.08222	1.52
24.25	..	0.00057	0.00018	0.00020	0.00106	0.05529	0.06425	1.06
27.86	..	0.00022	..	..	0.00024	0.03777	0.07416	1.09
32.00	..	0.00048	..	..	..	0.02183	0.09762	1.30
36.76	..	0.00099	..	..	..	0.00842	0.12870	1.76
42.22	..	0.00222	..	..	..	0.00302	0.16633	0.58
48.50	..	0.00173	..	..	..	..	0.20087	..
55.72	..	0.00048	..	..	..	..	0.21309	..
64.00	..	..	..	..	..	..	0.22166	..
73.52	..	..	..	..	..	..	0.23203	..
84.45	..	..	..	..	..	..	0.26581	..
97.01	..	..	..	..	..	..	0.18281	..
111.43	..	..	..	..	..	..	0.23162	..
128.00	..	..	..	..	..	..	0.13158	..
147.03	..	..	..	..	..	..	0.34344	..
168.90	..	..	..	..	..	..	0.80337	..
194.01	..	..	..	..	..	..	0.99471	..
222.86	..	..	..	..	..	..	3.46451	..
256.00	..	..	..	..	..	..	6.53351	..
294.07	..	..	..	..	..	..	12.16885	..
337.79	..	..	..	..	..	..	17.14983	..
388.02	..	..	..	..	..	..	10.82088	..
445.72	..	..	..	..	..	..	7.30646	..
512.00	..	..	..	..	..	..	..	..

Table 64. DIGS, raw data: Station HAS03-04, Mission 1998.015.

Station	**HAS03.04**	**HAS03.04**	**HAS03.04**	**HAS03.04**	**HAS03.04**	**HAS03.04**	**HAS03.04**	**HAS03.04**
Water Depth	1	25	50	70	72	(0.35-0.50)	(0.05-0.25)	72
Time GMT	328	328	328	328	351	406	406	308
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM								
Total PPM	0.10710	0.04465	0.11841	0.05344	0.05286	2.19495	0.85268	100.00
Diameter (um)								
0.76								
0.87	0.00185	0.00091	0.00204	0.00129	0.00142	0.03461	0.01026	3.27
1.00	0.00218	0.00105	0.00236	0.00146	0.00156	0.03042	0.01004	3.61
1.15	0.00260	0.00123	0.00281	0.00166	0.00174	0.02877	0.01032	4.10
1.32	0.00309	0.00149	0.00333	0.00185	0.00194	0.02746	0.01097	4.41
1.52	0.00370	0.00168	0.00388	0.00197	0.00208	0.02661	0.01157	4.81
1.74	0.00432	0.00184	0.00449	0.00209	0.00222	0.02589	0.01258	4.95
2.00	0.00494	0.00209	0.00518	0.00219	0.00230	0.02556	0.01339	5.05
2.30	0.00545	0.00225	0.00577	0.00229	0.00236	0.02587	0.01452	4.98
2.64	0.00575	0.00247	0.00625	0.00242	0.00248	0.02571	0.01554	4.77
3.03	0.00637	0.00264	0.00665	0.00268	0.00262	0.02692	0.01701	4.72
3.48	0.00698	0.00276	0.00743	0.00260	0.00275	0.02827	0.01857	4.65
4.00	0.00701	0.00290	0.00741	0.00258	0.00287	0.03057	0.01950	4.32
4.59	0.00857	0.00283	0.00872	0.00262	0.00300	0.03272	0.02093	4.16
5.28	0.00842	0.00274	0.00845	0.00278	0.00313	0.03638	0.02303	4.16
6.06	0.00806	0.00266	0.00797	0.00292	0.00326	0.04128	0.02608	4.15
6.96	0.00732	0.00244	0.00730	0.00305	0.00334	0.04784	0.02881	4.11
8.00	0.00586	0.00227	0.00644	0.00308	0.00319	0.05560	0.03312	3.78
9.19	0.00459	0.00233	0.00573	0.00320	0.00294	0.06199	0.03802	3.51
10.56	0.00408	0.00225	0.00608	0.00304	0.00271	0.07043	0.04394	3.16
12.13	0.00251	0.00171	0.00421	0.00240	0.00210	0.07598	0.04856	2.79
13.93	0.00110	0.00093	0.00218	0.00188	0.00134	0.08139	0.05752	2.58
16.00	0.00078	0.00057	0.00152	0.00138	0.00068	0.09157	0.06560	2.43
18.38	0.00058	0.00022	0.00111	0.00087	0.00064	0.09685	0.07541	1.94
21.11	0.00043	0.00029	0.00067	0.00056	0.00019	0.13304	0.07373	1.52
24.25	0.00036	0.00011	0.00045	0.00035	..	0.15517	0.06702	1.27
27.86	0.00021	..	..	0.00024	..	0.16349	0.04481	0.91
32.00	..	..	..	..	..	0.16753	0.02335	0.98
36.76	..	..	..	..	..	0.16512	0.01119	1.30
42.22	..	..	..	..	..	0.12482	0.00635	1.29
48.50	..	..	..	..	..	0.09590	0.00094	1.48
55.72	..	..	..	..	..	0.07500	..	0.82
64.00	..	..	..	..	..	0.04102	..	..
73.52	..	..	..	..	..	0.03098	..	..
84.45	..	..	..	..	..	0.01421	..	..
97.01	..	..	..	..	..	..	..	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 65. DIGS, raw data: Station HAS03-05, Mission 1998-015.

Station	HAS03.05	HAS03.05	HAS03.05	HAS03.05	HAS03.05	HAS03.05	HAS03.05	HAS03.05
Water Depth	1	25	50	70	72	0.35	(0.35-0.50)	73
Time GMT	542	542	542	542	523	611	611	n/a
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM								
Total PPM	0.09503	0.13013	0.05047	0.04678	0.06258	0.36718	0.60236	100.00
Diameter (um)								
0.76								
0.87	0.00152	0.00183	0.00082	0.00123	0.00155	0.00393	0.00450	3.38
1.00	0.00182	0.00221	0.00093	0.00140	0.00171	0.00400	0.00462	3.75
1.15	0.00222	0.00267	0.00108	0.00158	0.00195	0.00425	0.00502	4.31
1.32	0.00269	0.00321	0.00128	0.00178	0.00216	0.00466	0.00558	4.83
1.52	0.00323	0.00384	0.00141	0.00191	0.00230	0.00499	0.00607	5.23
1.74	0.00389	0.00457	0.00161	0.00204	0.00242	0.00545	0.00666	5.64
2.00	0.00444	0.00525	0.00175	0.00210	0.00254	0.00589	0.00733	5.82
2.30	0.00504	0.00580	0.00199	0.00218	0.00264	0.00611	0.00819	5.97
2.64	0.00551	0.00668	0.00212	0.00223	0.00275	0.00628	0.00887	5.62
3.03	0.00595	0.00707	0.00242	0.00245	0.00293	0.00659	0.00953	5.39
3.48	0.00677	0.00775	0.00273	0.00252	0.00298	0.00729	0.01050	5.16
4.00	0.00759	0.00917	0.00303	0.00250	0.00328	0.00852	0.01273	4.61
4.59	0.00788	0.00954	0.00303	0.00267	0.00323	0.00891	0.01371	4.33
5.28	0.00767	0.00954	0.00321	0.00266	0.00331	0.01031	0.01523	4.25
6.06	0.00714	0.00942	0.00330	0.00264	0.00331	0.01156	0.01732	4.10
6.96	0.00611	0.00882	0.00323	0.00253	0.00320	0.01307	0.01918	4.01
8.00	0.00494	0.00797	0.00335	0.00250	0.00301	0.01469	0.02104	3.82
9.19	0.00411	0.00687	0.00331	0.00239	0.00295	0.01671	0.02314	3.47
10.56	0.00284	0.00623	0.00353	0.00226	0.00300	0.01970	0.02574	3.26
12.13	0.00177	0.00403	0.00274	0.00185	0.00242	0.02098	0.02711	2.65
13.93	0.00085	0.00263	0.00147	0.00129	0.00185	0.02365	0.02841	2.30
16.00	0.00058	0.00173	0.00090	0.00093	0.00153	0.02632	0.03070	1.81
18.38	0.00029	0.00136	0.00063	0.00061	0.00109	0.02869	0.03132	1.40
21.11	0.00019	0.00094	0.00037	0.00042	0.00115	0.03008	0.03789	1.30
24.25	..	0.00073	0.00023	0.00012	0.00066	0.02676	0.04218	1.01
27.86	..	0.00030	..	..	0.00104	0.01979	0.04091	0.77
32.00	..	..	..	..	0.00038	0.01119	0.03858	0.73
36.76	..	..	..	..	0.00078	0.00535	0.03065	0.76
42.22	..	..	..	..	0.00045	0.00342	0.02029	0.32
48.50	..	..	..	..	..	0.00144	0.01199	..
55.72	..	..	..	..	..	0.00234	0.00700	..
64.00	..	..	..	..	..	0.00255	0.00642	..
73.52	..	..	..	..	..	0.00169	0.00419	..
84.45	..	..	..	..	..	..	0.00585	..
97.01	..	..	..	..	..	..	0.01154	..
111.43	..	..	..	..	..	..	0.00239	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 66. DIGS, raw data: Station HAS03-06, Mission 1998-015.

Station	**HAS03.06**	**HAS03.06**	**HAS03.06**	**HAS03.06**	**HAS03.06**	**HAS03.06**	**HAS03.06**	**HAS03.06**
Water Depth	1	25	50	70	72	(0.35-0.50)	(0.05-0.25)	72
Time GMT	722	722	722	722	744	758	758	n/a
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM								
Total PPM	0.10321	0.12662	0.05159	0.04737	0.05000	0.32025	0.61045	100.00
Diameter (um)								
0.76								
0.87	0.00124	0.00163	0.00077	0.00114	0.00127	0.00476	0.00524	3.92
1.00	0.00149	0.00197	0.00088	0.00132	0.00147	0.00484	0.00550	4.26
1.15	0.00185	0.00249	0.00106	0.00150	0.00168	0.00519	0.00591	4.75
1.32	0.00226	0.00307	0.00124	0.00173	0.00190	0.00553	0.00636	5.12
1.52	0.00273	0.00367	0.00146	0.00193	0.00207	0.00585	0.00692	5.45
1.74	0.00321	0.00451	0.00167	0.00209	0.00219	0.00610	0.00741	5.68
2.00	0.00374	0.00528	0.00189	0.00220	0.00231	0.00653	0.00803	5.69
2.30	0.00431	0.00586	0.00215	0.00249	0.00241	0.00671	0.00833	5.79
2.64	0.00468	0.00681	0.00238	0.00259	0.00252	0.00716	0.00912	5.68
3.03	0.00510	0.00710	0.00262	0.00279	0.00274	0.00732	0.00990	5.66
3.48	0.00572	0.00791	0.00306	0.00301	0.00290	0.00830	0.01064	5.51
4.00	0.00677	0.00811	0.00303	0.00278	0.00295	0.00875	0.01102	5.24
4.59	0.00790	0.00908	0.00309	0.00279	0.00280	0.00883	0.01160	4.82
5.28	0.00798	0.01006	0.00315	0.00279	0.00275	0.00954	0.01249	4.65
6.06	0.00799	0.00985	0.00331	0.00273	0.00265	0.01057	0.01338	4.45
6.96	0.00746	0.00910	0.00324	0.00255	0.00244	0.01204	0.01432	4.12
8.00	0.00669	0.00784	0.00317	0.00238	0.00227	0.01391	0.01605	3.72
9.19	0.00585	0.00674	0.00333	0.00224	0.00214	0.01692	0.01883	3.24
10.56	0.00554	0.00551	0.00340	0.00216	0.00203	0.02150	0.02300	2.86
12.13	0.00416	0.00356	0.00274	0.00160	0.00166	0.02639	0.02885	2.41
13.93	0.00262	0.00263	0.00173	0.00107	0.00117	0.03176	0.03612	1.81
16.00	0.00198	0.00186	0.00106	0.00066	0.00075	0.03209	0.04313	1.50
18.38	0.00112	0.00111	0.00058	0.00039	0.00088	0.02896	0.04575	1.25
21.11	0.00052	0.00064	0.00025	0.00028	0.00071	0.01700	0.04388	0.59
24.25	0.00029	0.00024	0.00030	0.00018	0.00066	0.00936	0.04141	0.73
27.86	..	..	..	..	0.00048	0.00292	0.03856	0.44
32.00	..	..	..	..	0.00019	0.00143	0.03248	0.37
36.76	..	..	..	..	..	..	0.03391	0.31
42.22	..	..	..	..	..	..	0.02744	..
48.50	..	..	..	..	..	..	0.01629	..
55.72	..	..	..	..	..	..	0.00951	..
64.00	..	..	..	..	..	..	0.00374	..
73.52	..	..	..	..	..	..	0.00264	..
84.45	..	..	..	..	..	..	0.00271	..
97.01	..	..	..	..	..	..	..	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 67. DIGS, raw data: Station HAS03-07, Mission 1998-015.

Station	HAS03.07	HAS03.07	HAS03.07	HAS03.07	HAS03.07	HAS03.07	HAS03.07	HAS03.07
Water Depth	1	25	50	70	73	(0.35-0.50)	(0.05-0.25)	73
Time GMT	940	940	940	940	927	1009	1009	904
Sampler	Niskin	Niskin	Niskin	Niskin	CABLE	BOSS	BOSS	Slurp
Total SPM								
Total PPM	0.11264	0.11183	0.05741	0.05464	0.05243	1.29599	1.29302	100.00
Diameter (um)								
0.76								
0.87	0.00187	0.00174	0.00127	0.00132	0.00163	0.01405	0.00732	3.66
1.00	0.00217	0.00201	0.00143	0.00155	0.00183	0.01426	0.00714	3.98
1.15	0.00257	0.00236	0.00167	0.00181	0.00209	0.01448	0.00742	4.41
1.32	0.00304	0.00282	0.00191	0.00203	0.00225	0.01489	0.00749	4.83
1.52	0.00357	0.00330	0.00215	0.00224	0.00235	0.01603	0.00781	5.11
1.74	0.00412	0.00387	0.00241	0.00237	0.00246	0.01668	0.00799	5.35
2.00	0.00471	0.00433	0.00265	0.00255	0.00248	0.01746	0.00828	5.33
2.30	0.00518	0.00484	0.00305	0.00266	0.00253	0.01830	0.00857	5.22
2.64	0.00572	0.00550	0.00324	0.00284	0.00264	0.02057	0.00839	5.13
3.03	0.00628	0.00580	0.00350	0.00308	0.00274	0.02192	0.00911	4.91
3.48	0.00714	0.00667	0.00378	0.00329	0.00282	0.02367	0.01005	4.88
4.00	0.00780	0.00785	0.00377	0.00322	0.00296	0.02589	0.01099	4.40
4.59	0.00848	0.00780	0.00367	0.00324	0.00300	0.02764	0.01167	4.12
5.28	0.00843	0.00780	0.00365	0.00330	0.00307	0.03178	0.01318	4.07
6.06	0.00800	0.00752	0.00360	0.00326	0.00301	0.03587	0.01541	3.95
6.96	0.00737	0.00718	0.00328	0.00316	0.00277	0.04164	0.01797	3.80
8.00	0.00652	0.00654	0.00311	0.00286	0.00248	0.04969	0.02135	3.62
9.19	0.00567	0.00614	0.00292	0.00263	0.00216	0.06025	0.02565	3.49
10.56	0.00592	0.00627	0.00269	0.00264	0.00191	0.07235	0.03121	3.38
12.13	0.00369	0.00429	0.00187	0.00198	0.00154	0.08627	0.03719	3.29
13.93	0.00218	0.00288	0.00093	0.00108	0.00094	0.09268	0.04290	2.85
16.00	0.00120	0.00193	0.00049	0.00065	0.00066	0.08393	0.05097	2.53
18.38	0.00066	0.00134	0.00023	0.00045	0.00033	0.08772	0.05402	1.89
21.11	0.00035	0.00056	0.00013	0.00028	0.00031	0.08402	0.06854	1.83
24.25	..	0.00031	..	0.00015	0.00030	0.07699	0.08247	1.29
27.86	..	0.00019	..	..	0.00031	0.05598	0.09154	1.06
32.00	..	..	..	..	0.00047	0.04533	0.10672	0.56
36.76	..	..	..	..	0.00040	0.03419	0.11112	0.84
42.22	..	..	..	..	..	0.02867	0.12483	0.21
48.50	..	..	..	..	..	0.03214	0.10902	..
55.72	..	..	..	..	..	0.02833	0.08702	..
64.00	..	..	..	..	..	0.02232	0.05362	..
73.52	..	..	..	..	..	..	0.02579	..
84.45	..	..	..	..	..	..	0.01025	..
97.01	..	..	..	..	..	..	..	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Appendix II. DIGS plots of samples collected from Mission 98-015.

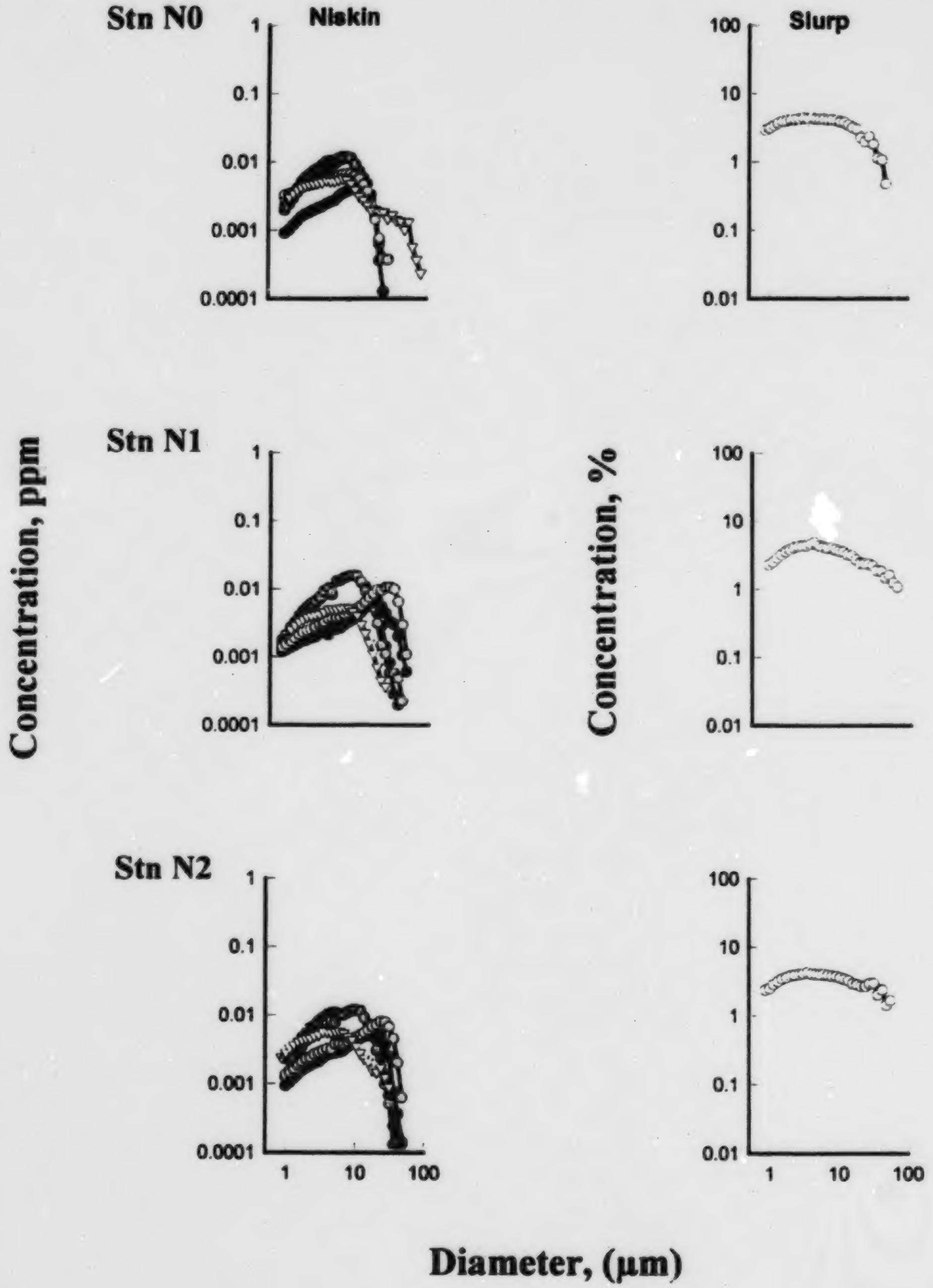

Figure 6. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shades of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles.

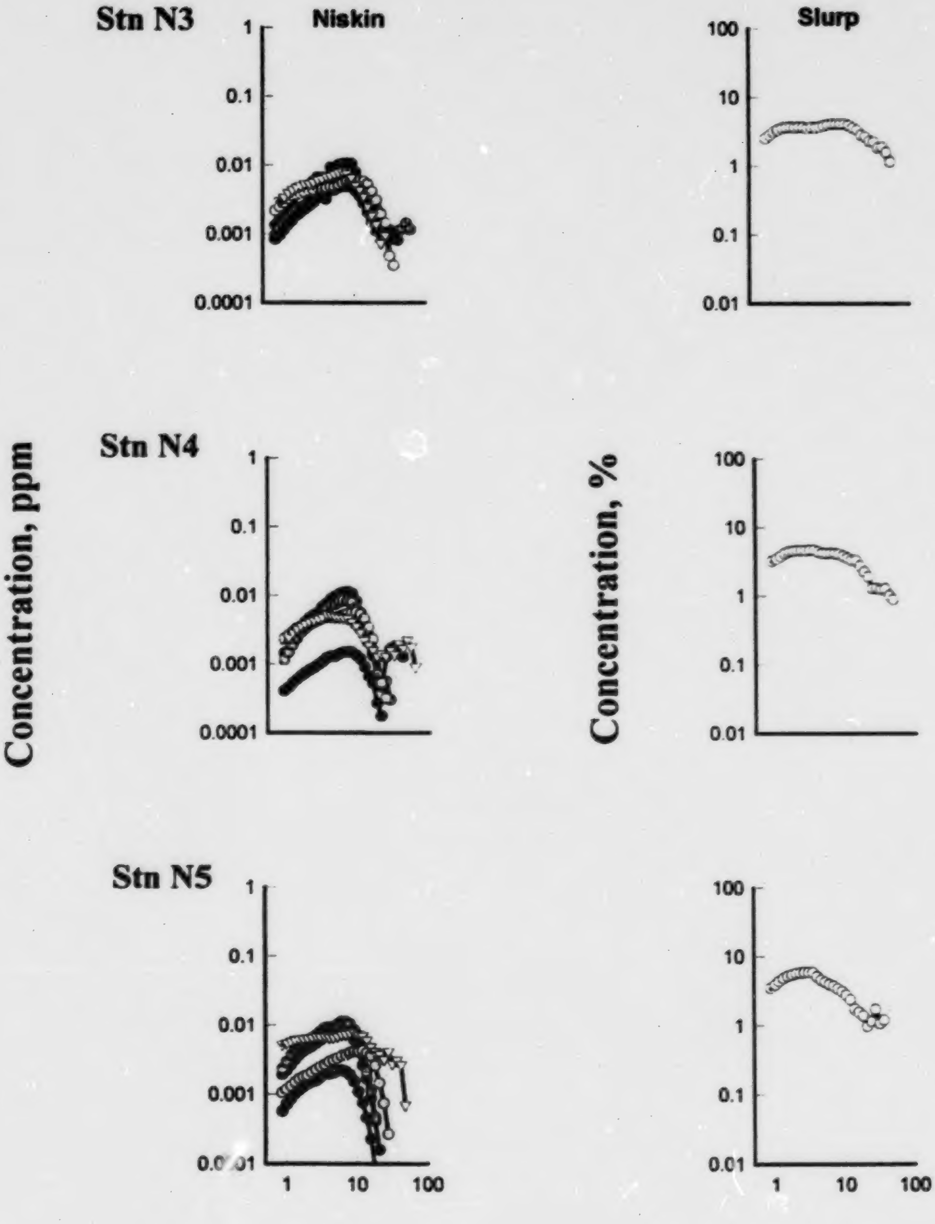

Figure 7. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shades of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles.

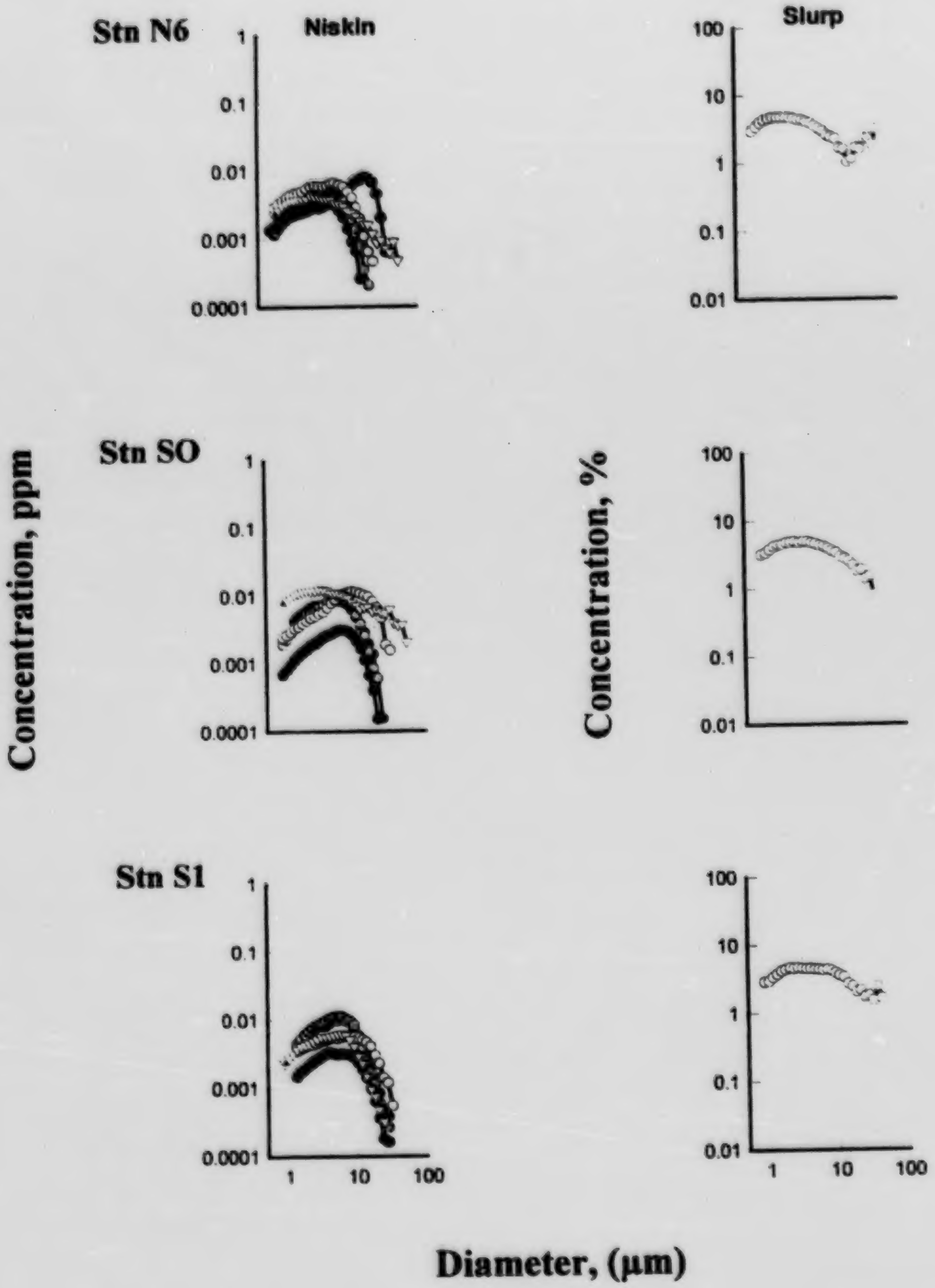

Figure 8. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shades of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles.

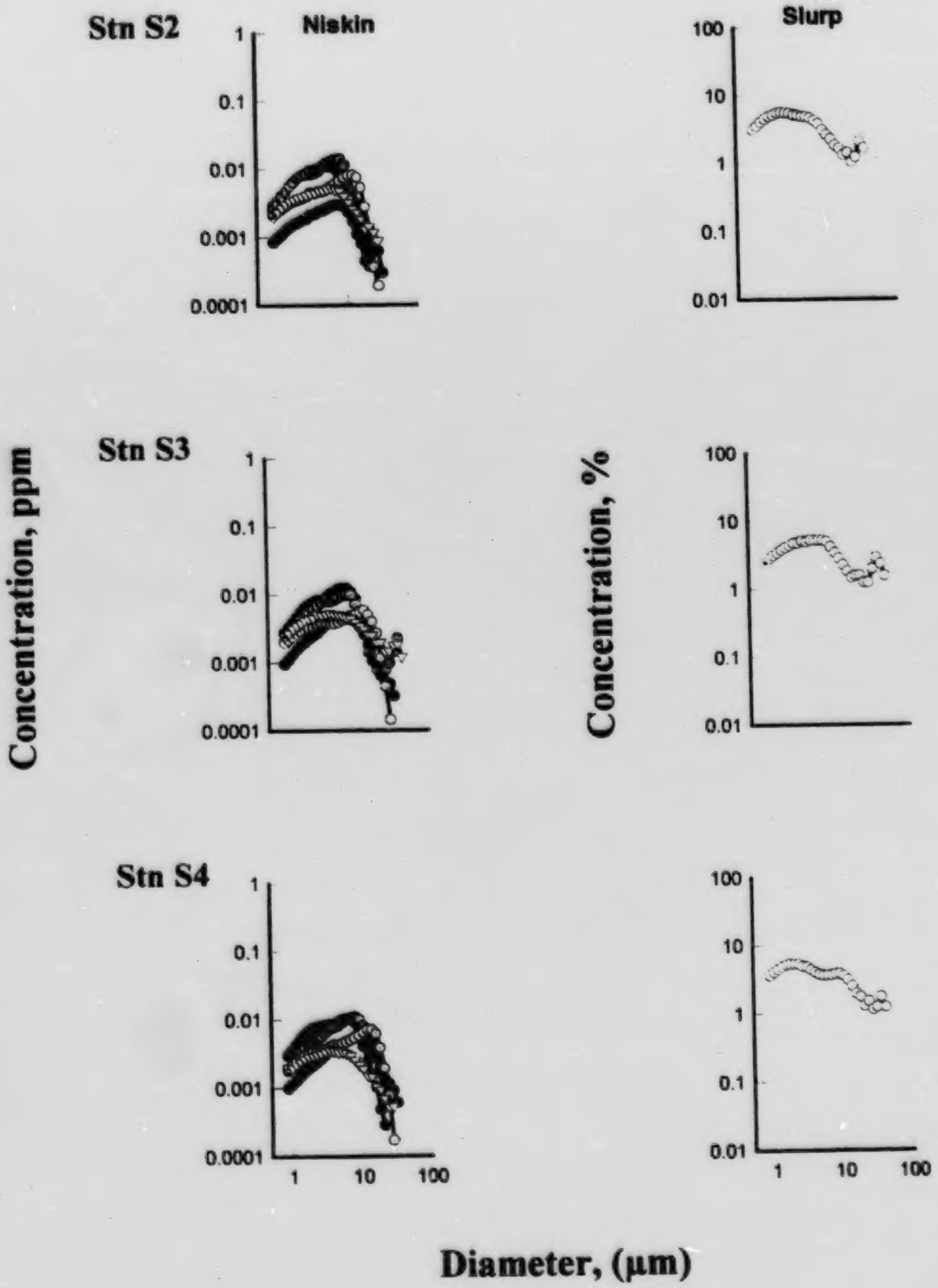

Figure 9. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shades of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles.

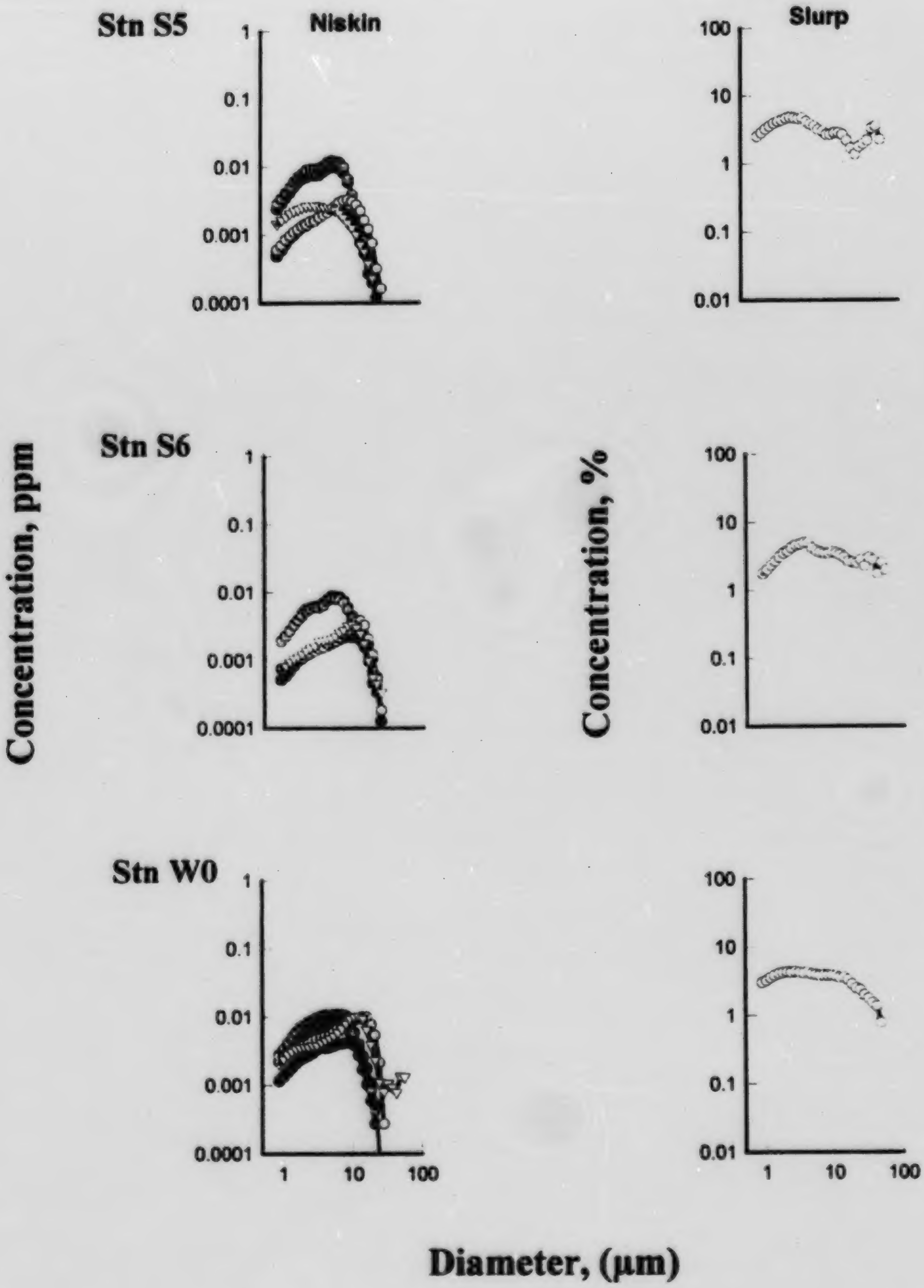

Figure 10. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shades of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles.

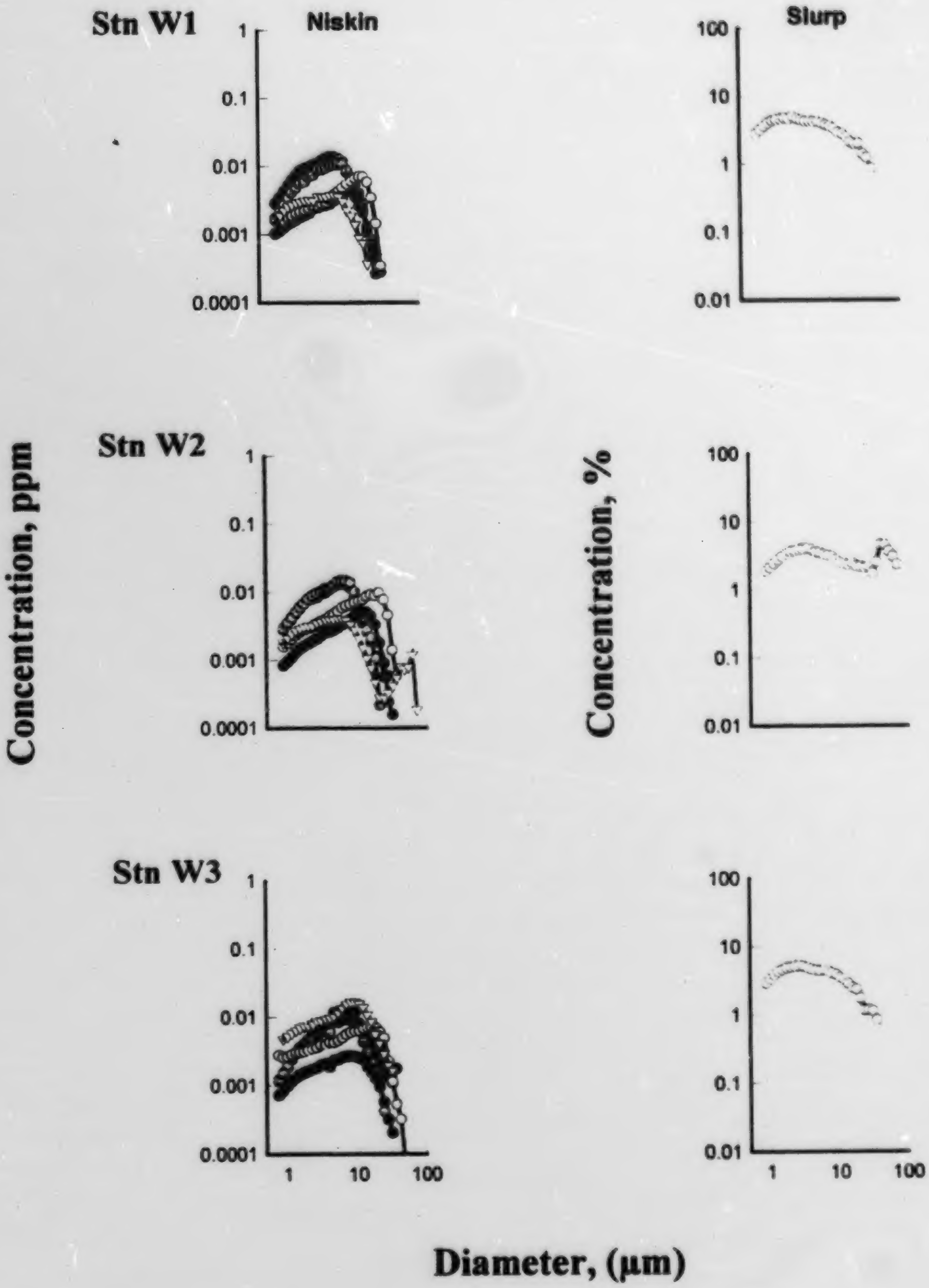

Figure 11. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shades of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles.

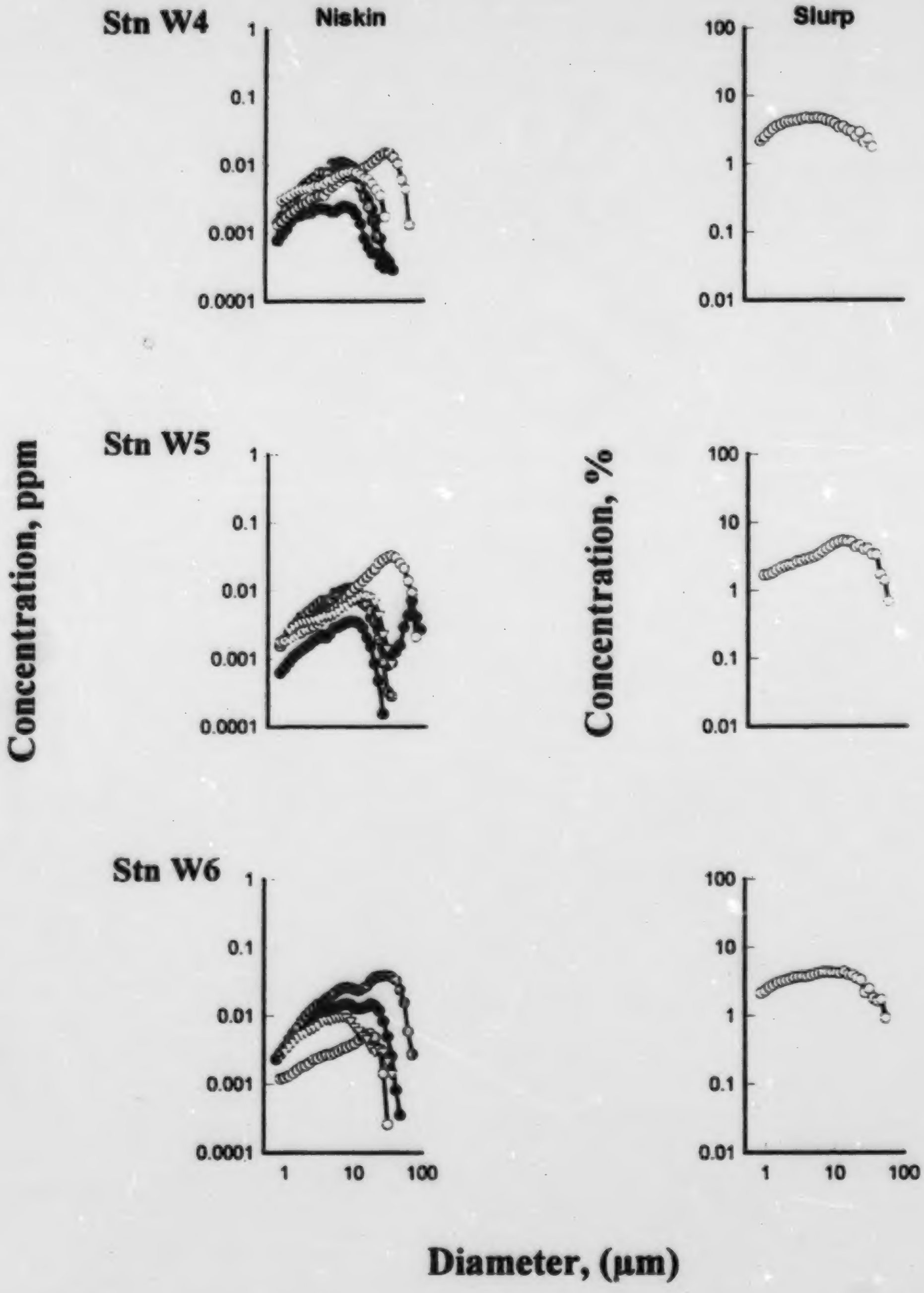

Figure 12. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shades of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles.

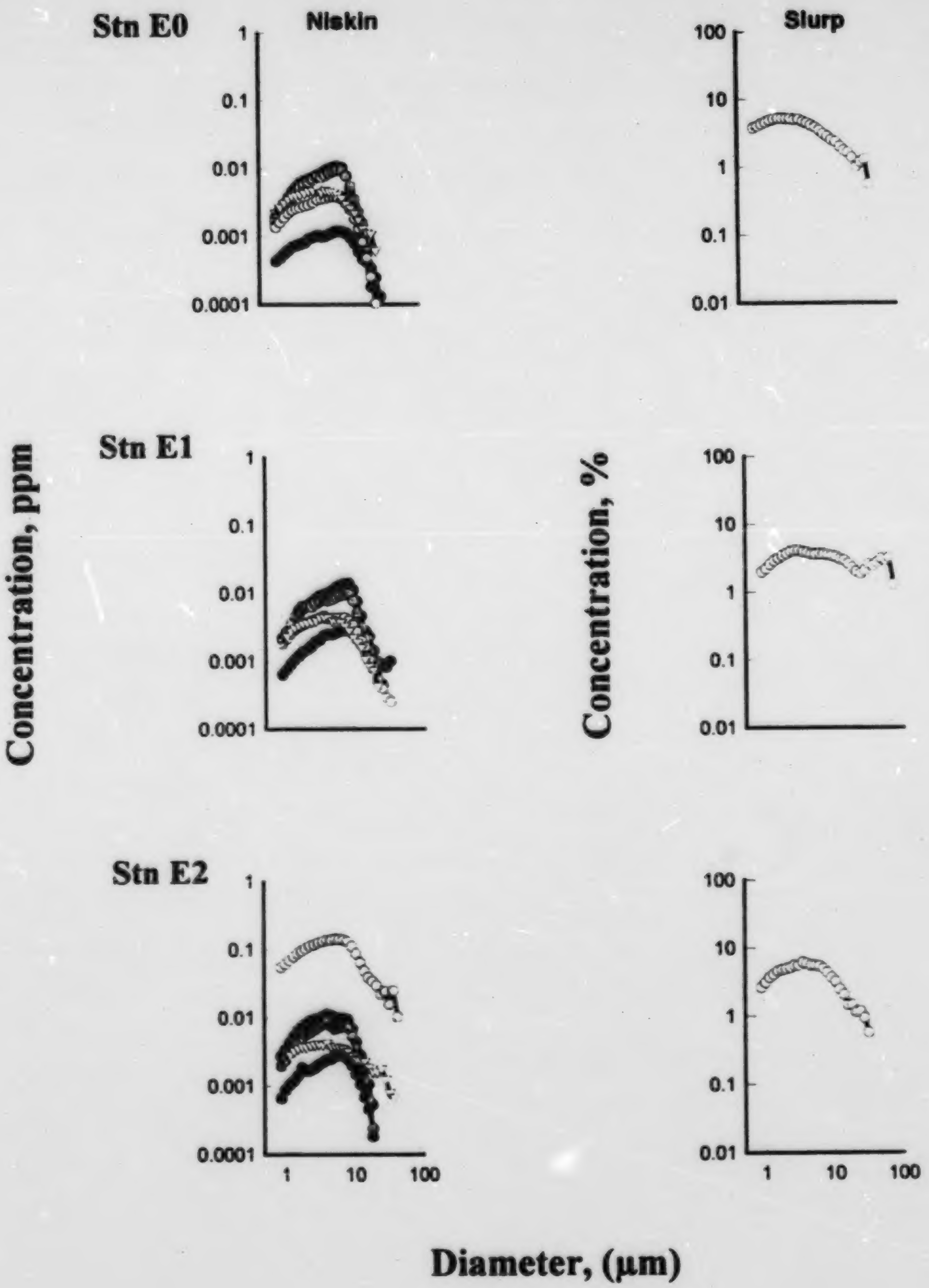

Figure 13. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shades of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles.

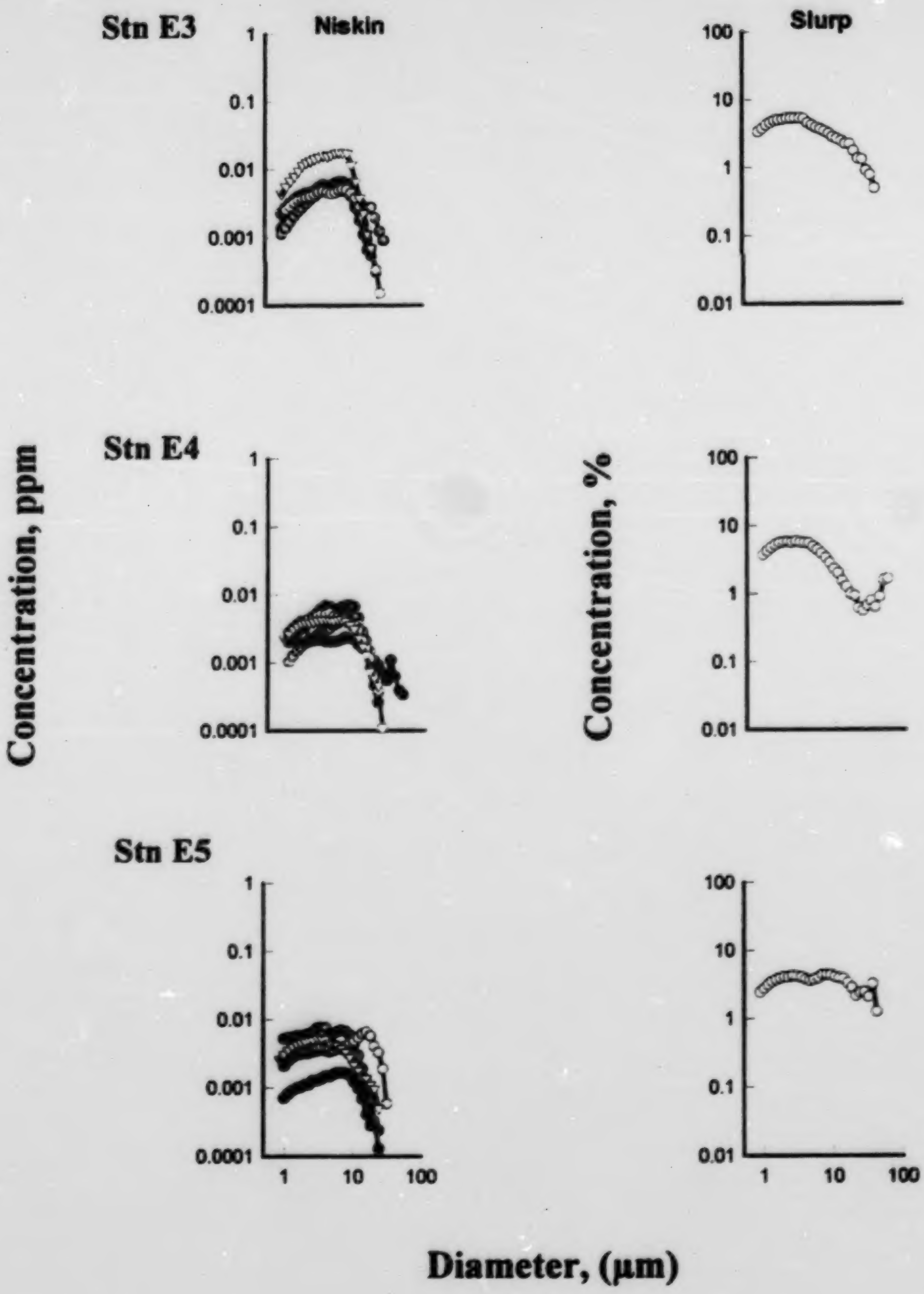

Figure 14. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shades of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles.

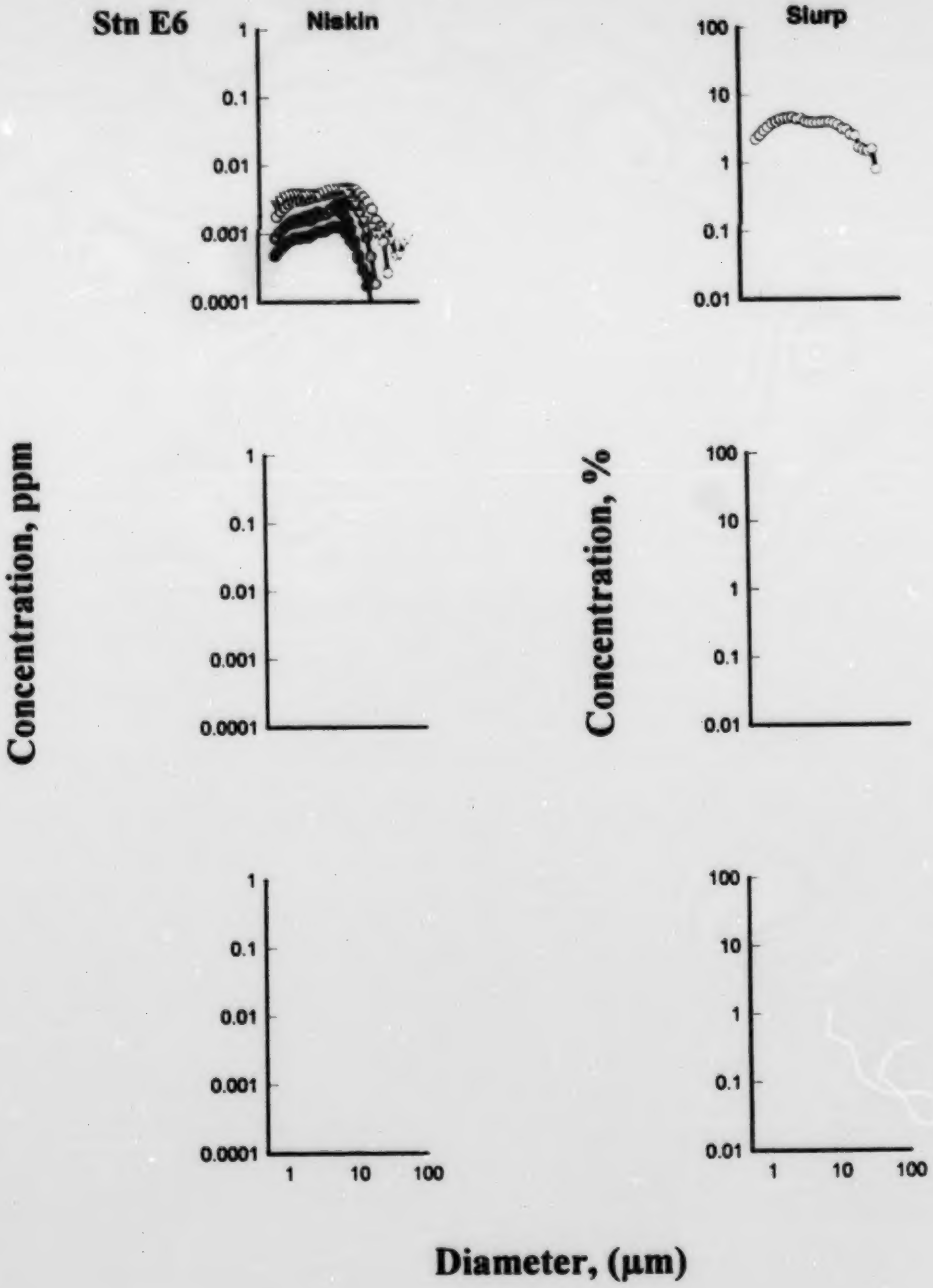

Figure 15. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shades of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles.

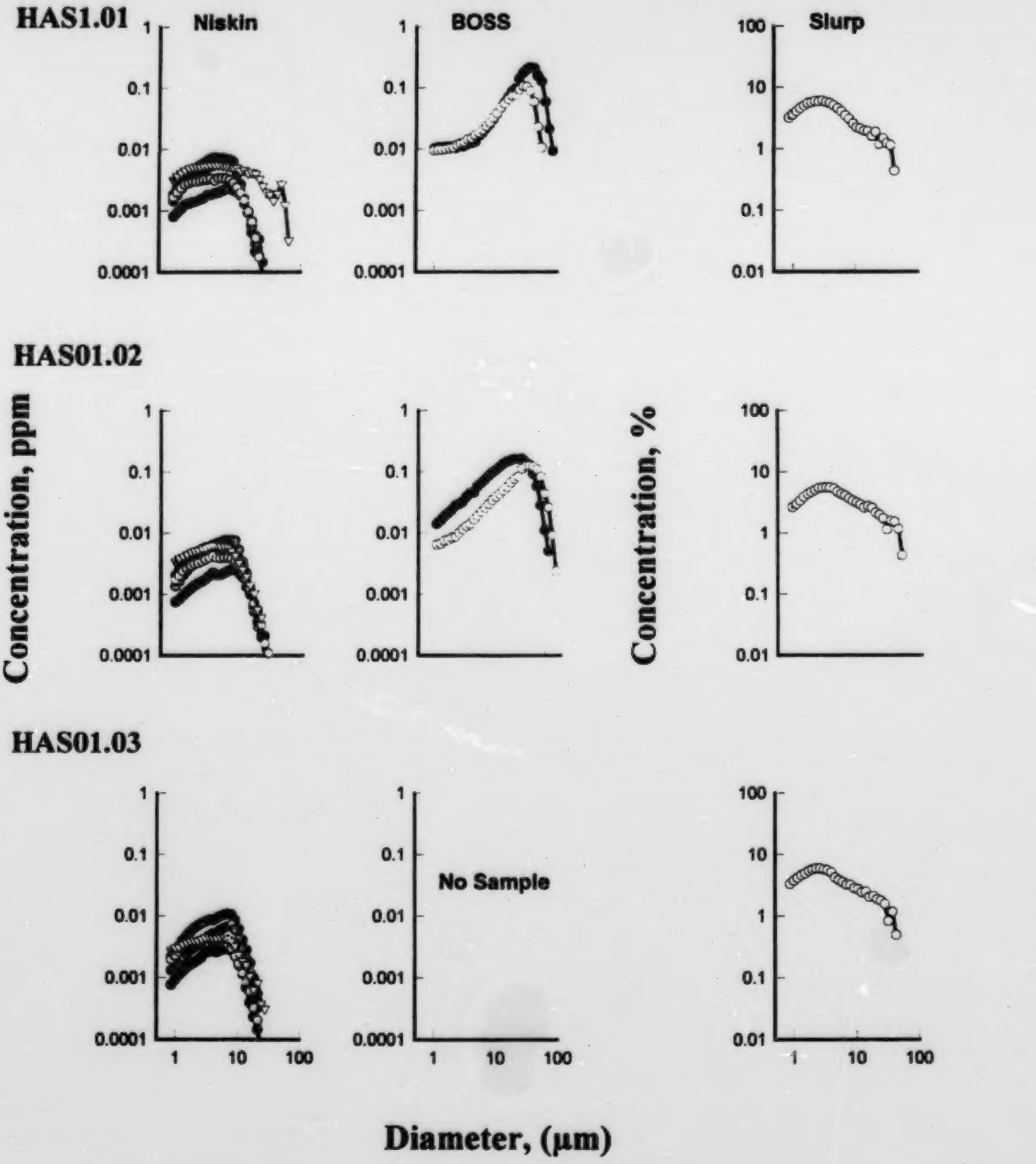

Figure 16. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shade of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles. For the BOSS samples the black circles are used for the 0.35-0.50 m above bottom sample and open circles are used for the 0.05-0.25 m sample. Samples from mission 98-015.

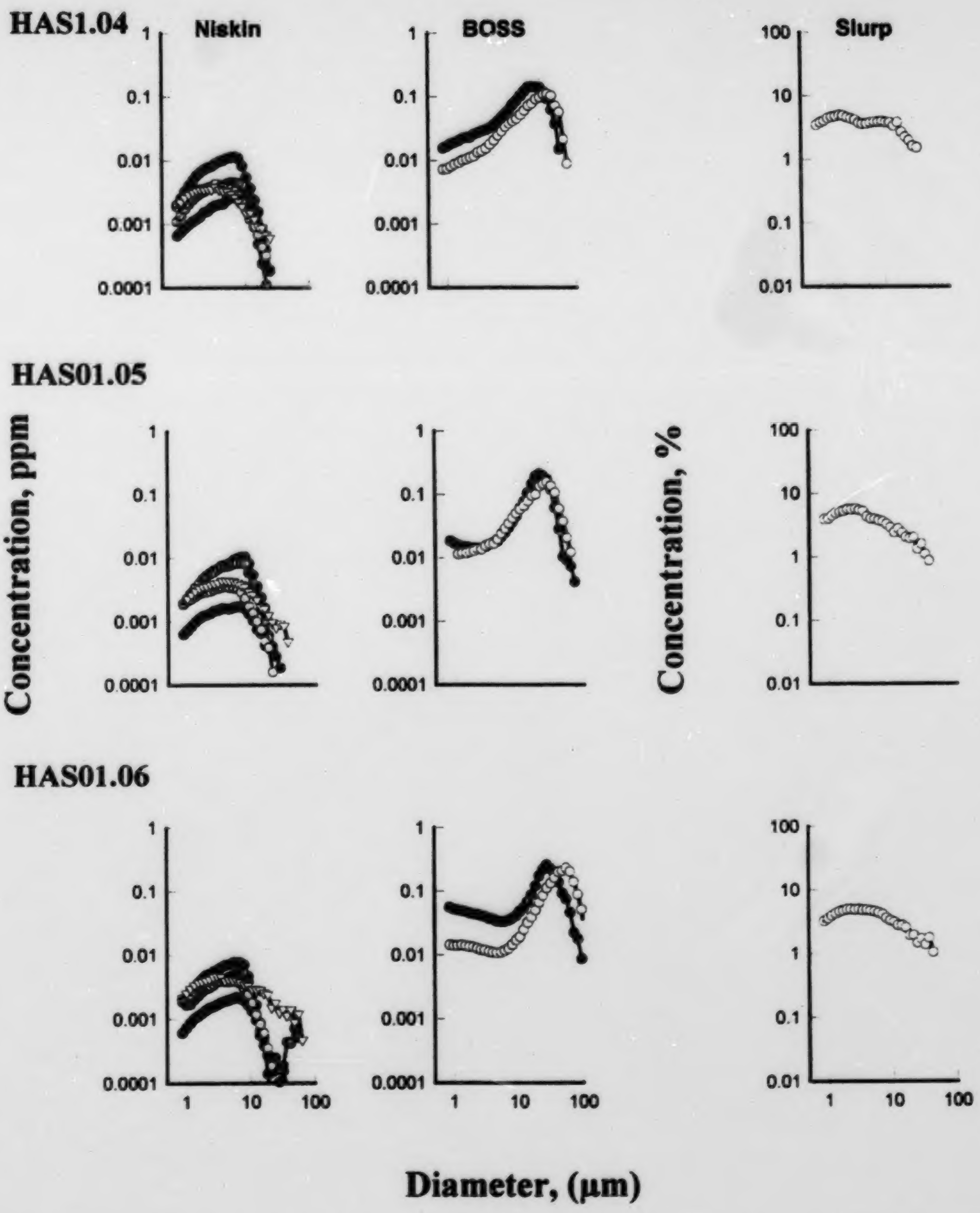

Figure 17. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shade of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles. For the BOSS samples the black circles are used for the 0.35-0.50 m above bottom sample and open circles are used for the 0.05-0.25 m sample. Samples from mission 98-015.

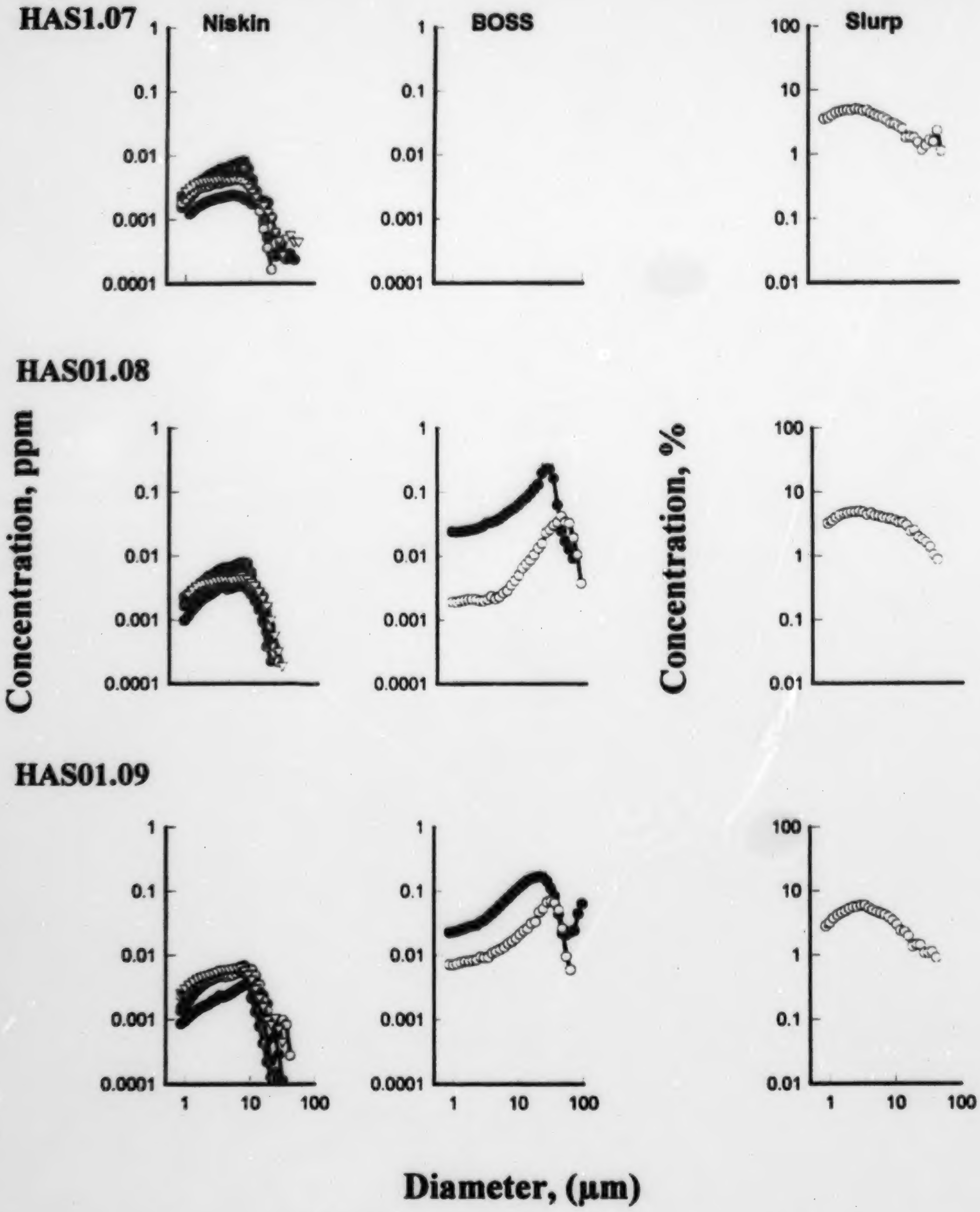

Figure 18. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shade of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles. For the BOSS samples the black circles are used for the 0.35-0.50 m above bottom sample and open circles are used for the 0.05-0.25 m sample. Samples from mission 98-015.

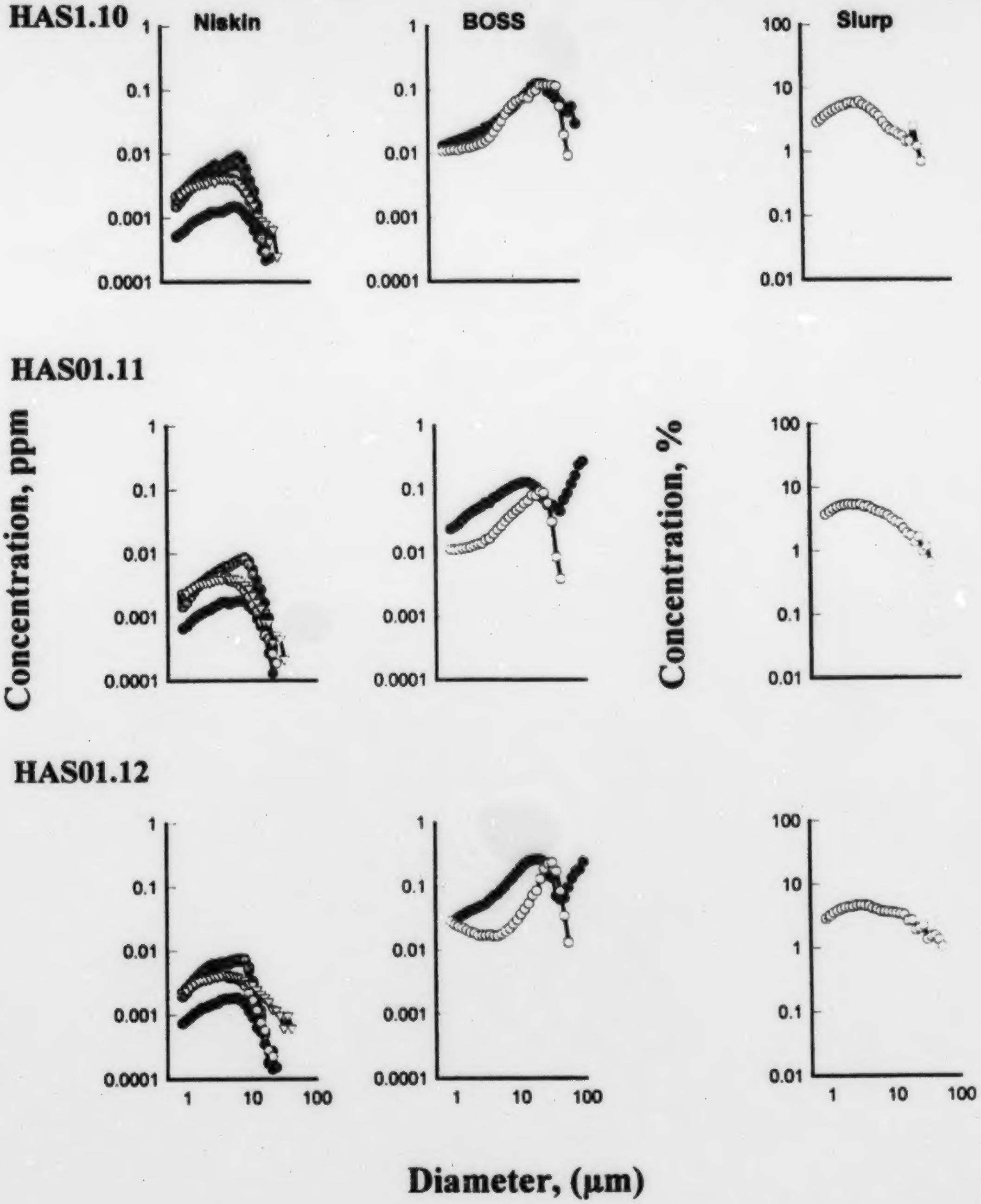

Figure 19. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shade of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles. For the BOSS samples the black circles are used for the 0.35-0.50 m above bottom sample and open circles are used for the 0.05-0.25 m sample. Samples from mission 98-015.

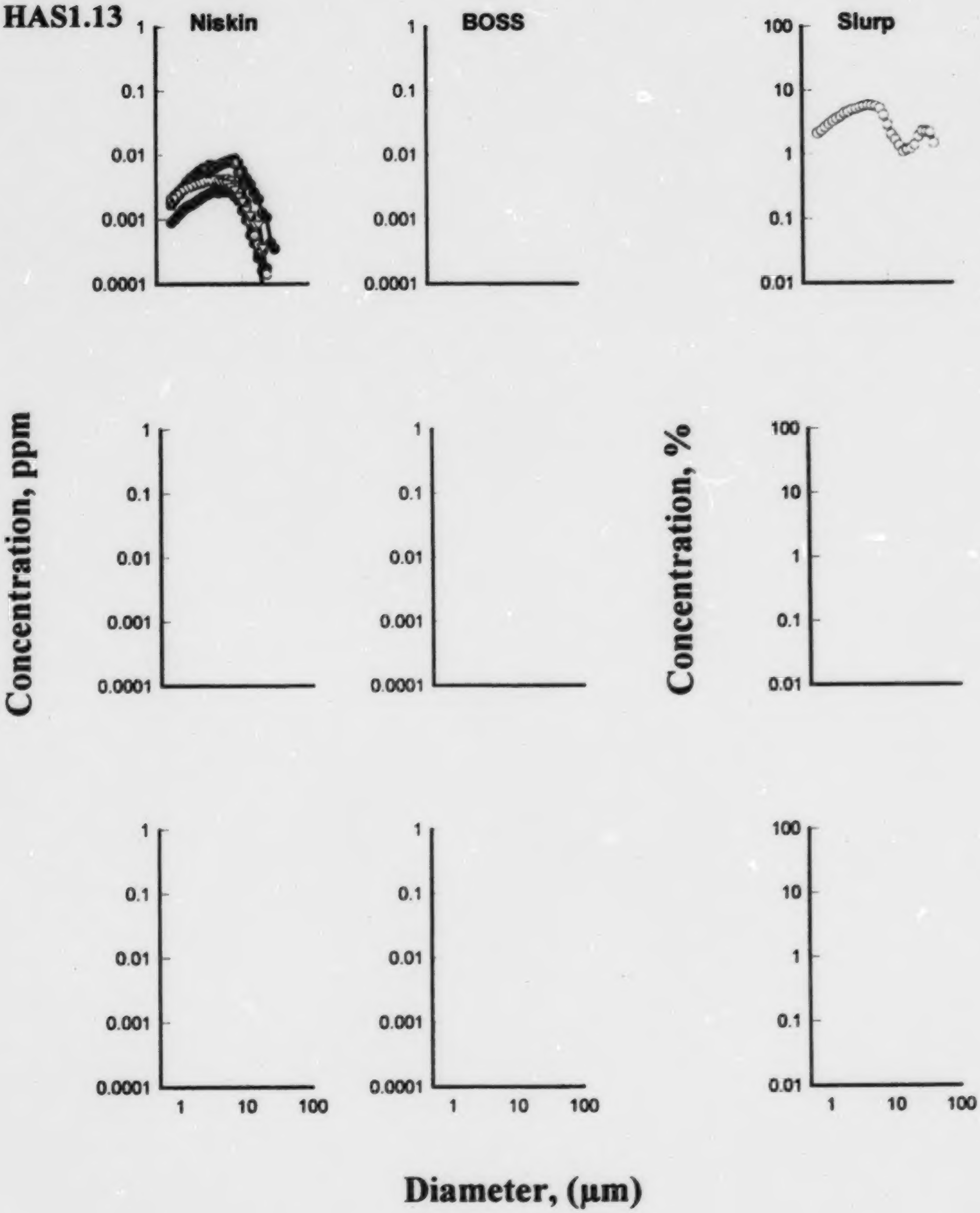

Figure 20. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shade of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles. For the BOSS samples the black circles are used for the 0.35-0.50 m above bottom sample and open circles are used for the 0.05-0.25 m sample. Samples from mission 98-015.

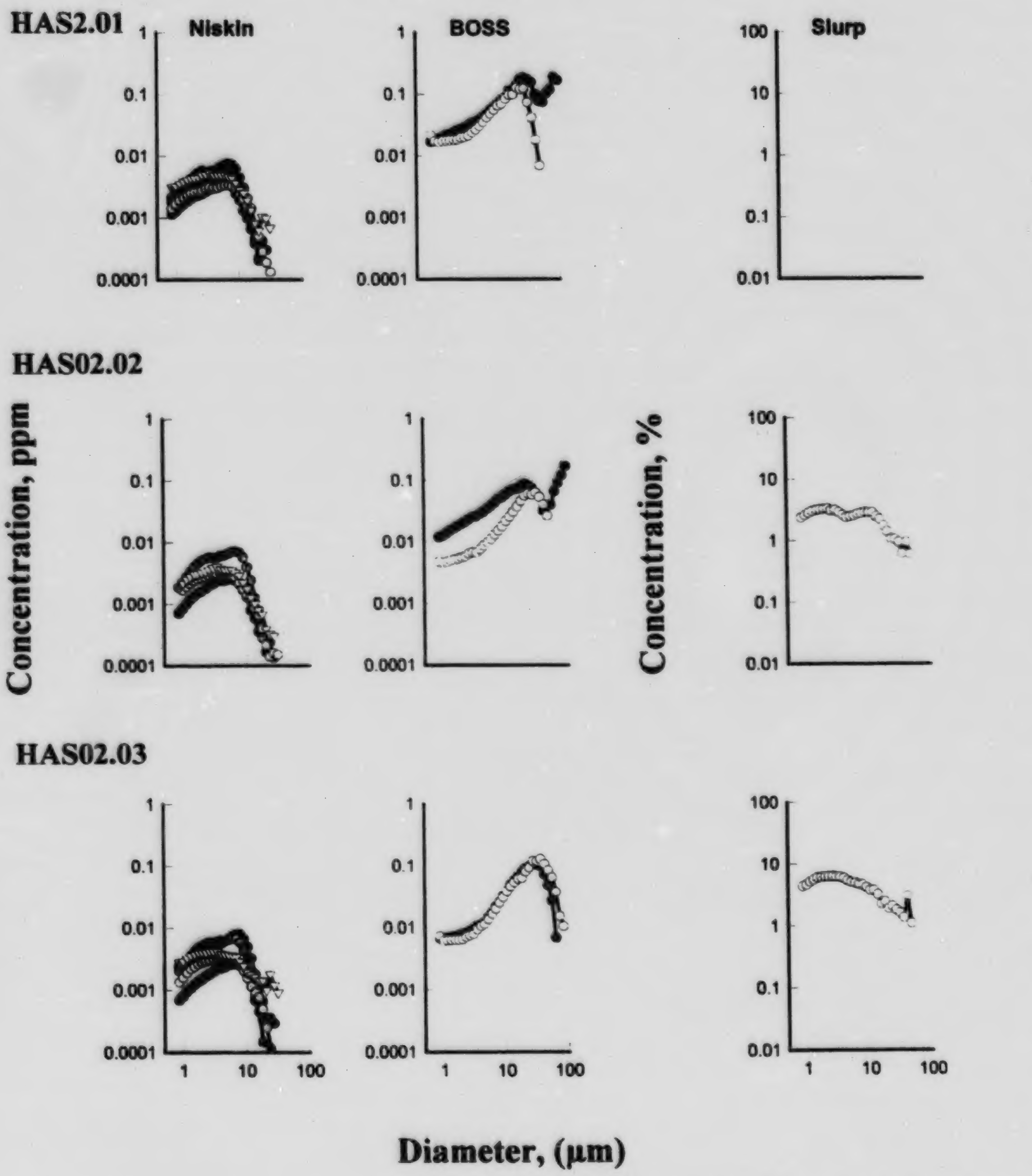

Figure 21. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shade of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles. For the BOSS samples the black circles are used for the 0.35-0.50 m above bottom sample and open circles are used for the 0.05-0.25 m sample. Samples from mission 98-015.

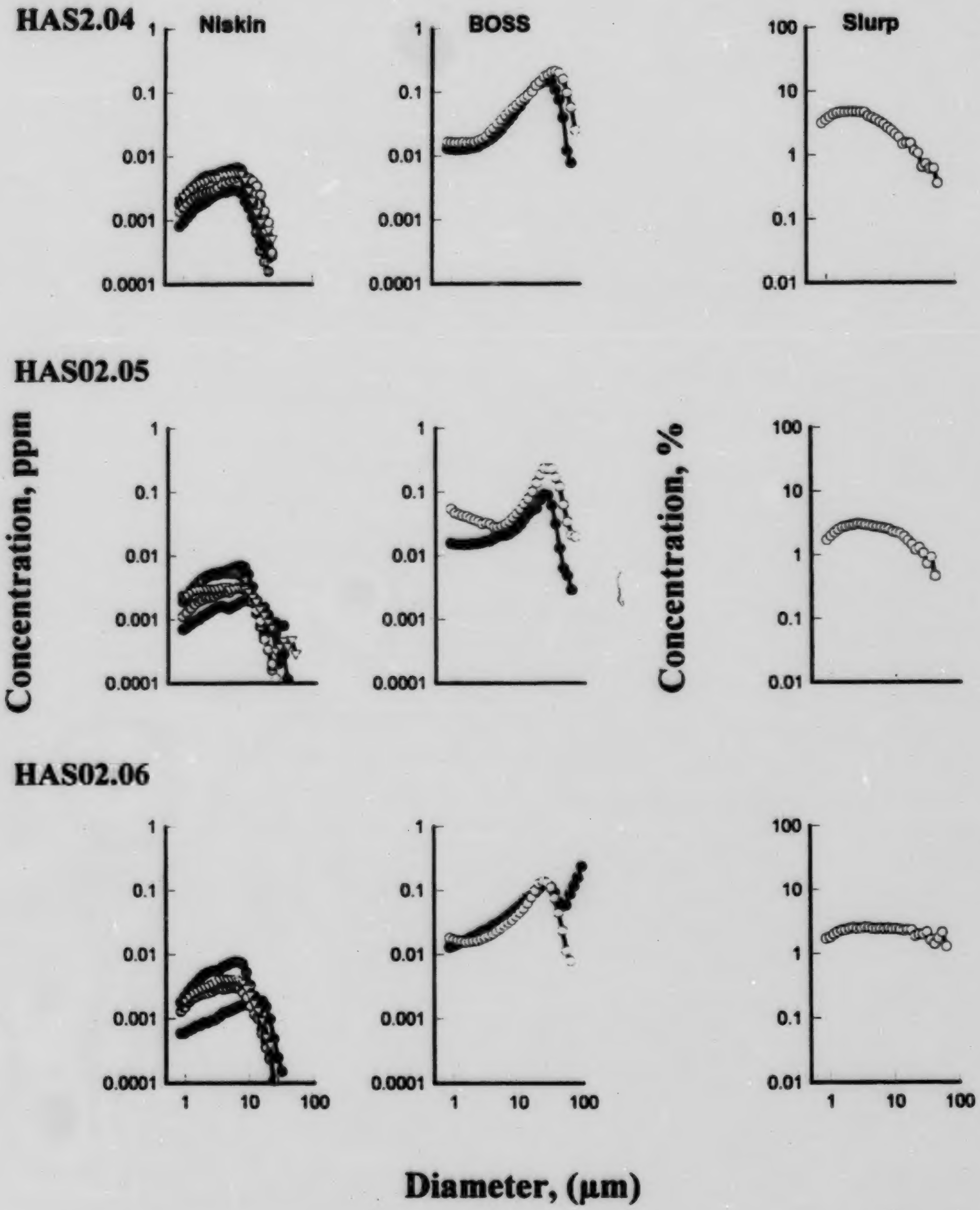

Figure 22. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shade of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles. For the BOSS samples the black circles are used for the 0.35-0.50 m above bottom sample and open circles are used for the 0.05-0.25 m sample. Samples from mission 98-015.

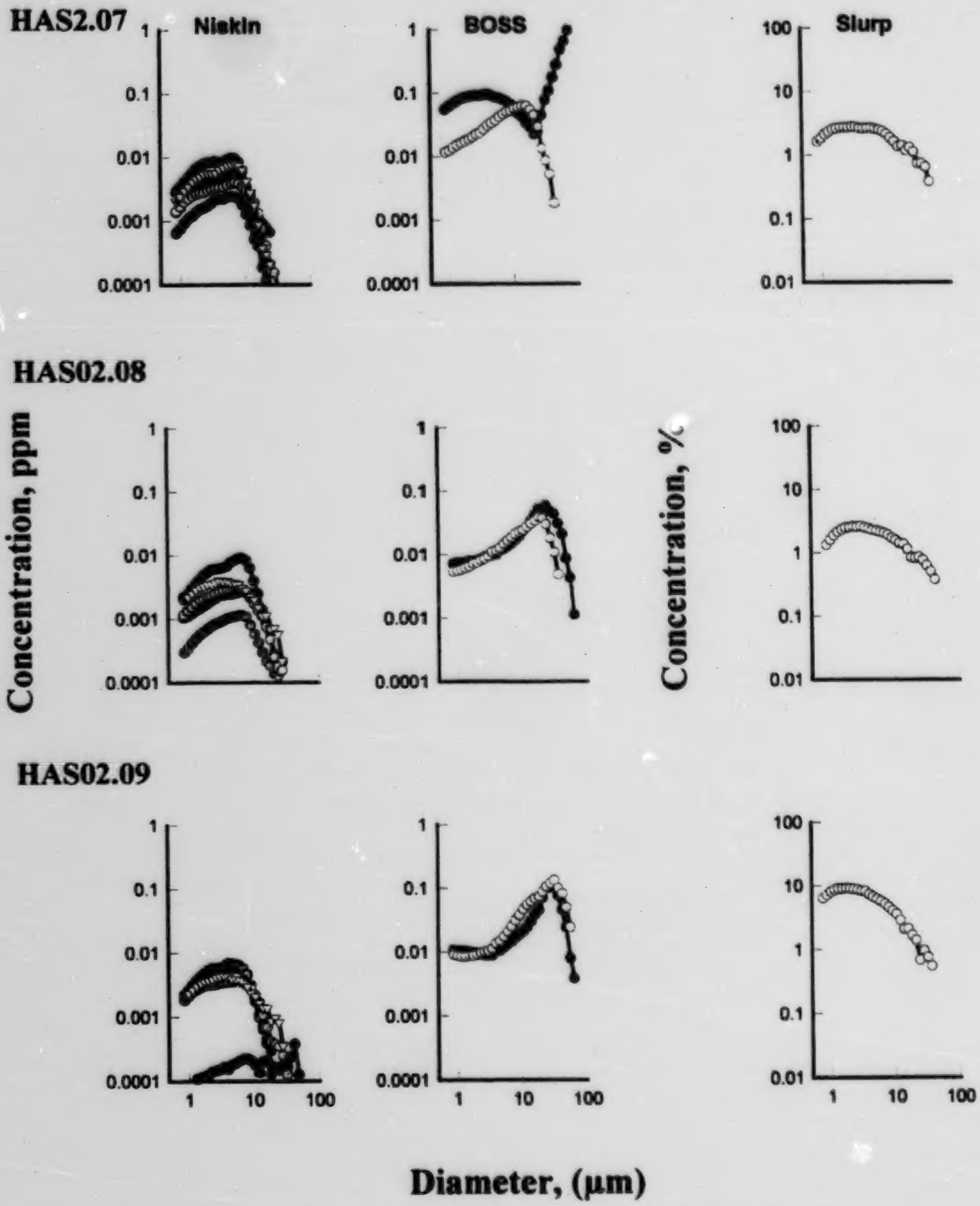

Figure 23. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shade of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles. For the BOSS samples the black circles are used for the 0.35-0.50 m above bottom sample and open circles are used for the 0.05-0.25 m sample. Samples from mission 98-015.

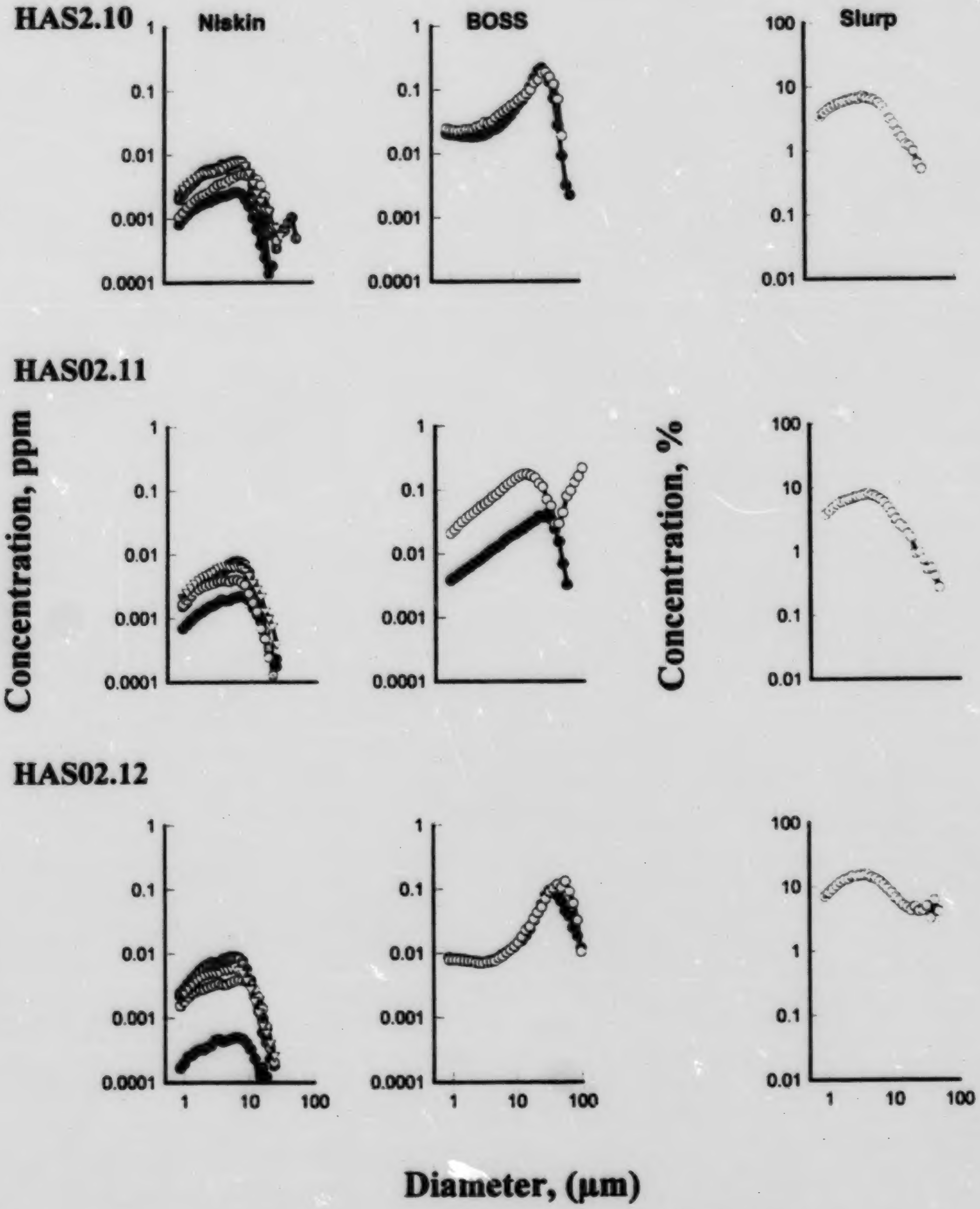

Figure 24. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shade of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles. For the BOSS samples the black circles are used for the 0.35-0.50 m above bottom sample and open circles are used for the 0.05-0.25 m sample. Samples from mission 98-015.

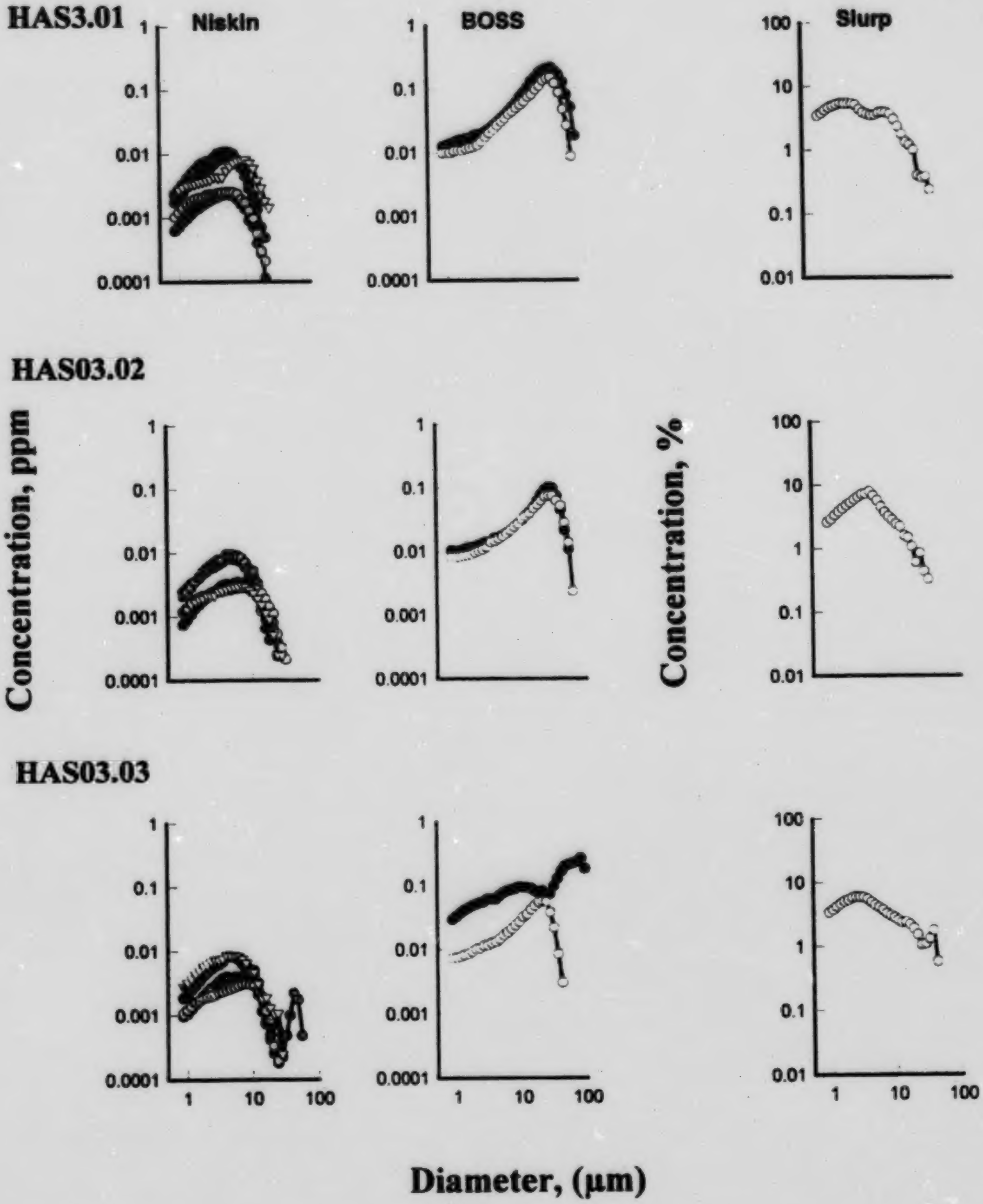

Figure 25. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shade of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles. For the BOSS samples the black circles are used for the 0.35-0.50 m above bottom sample and open circles are used for the 0.05-0.25 m sample. Samples from mission 98-015.

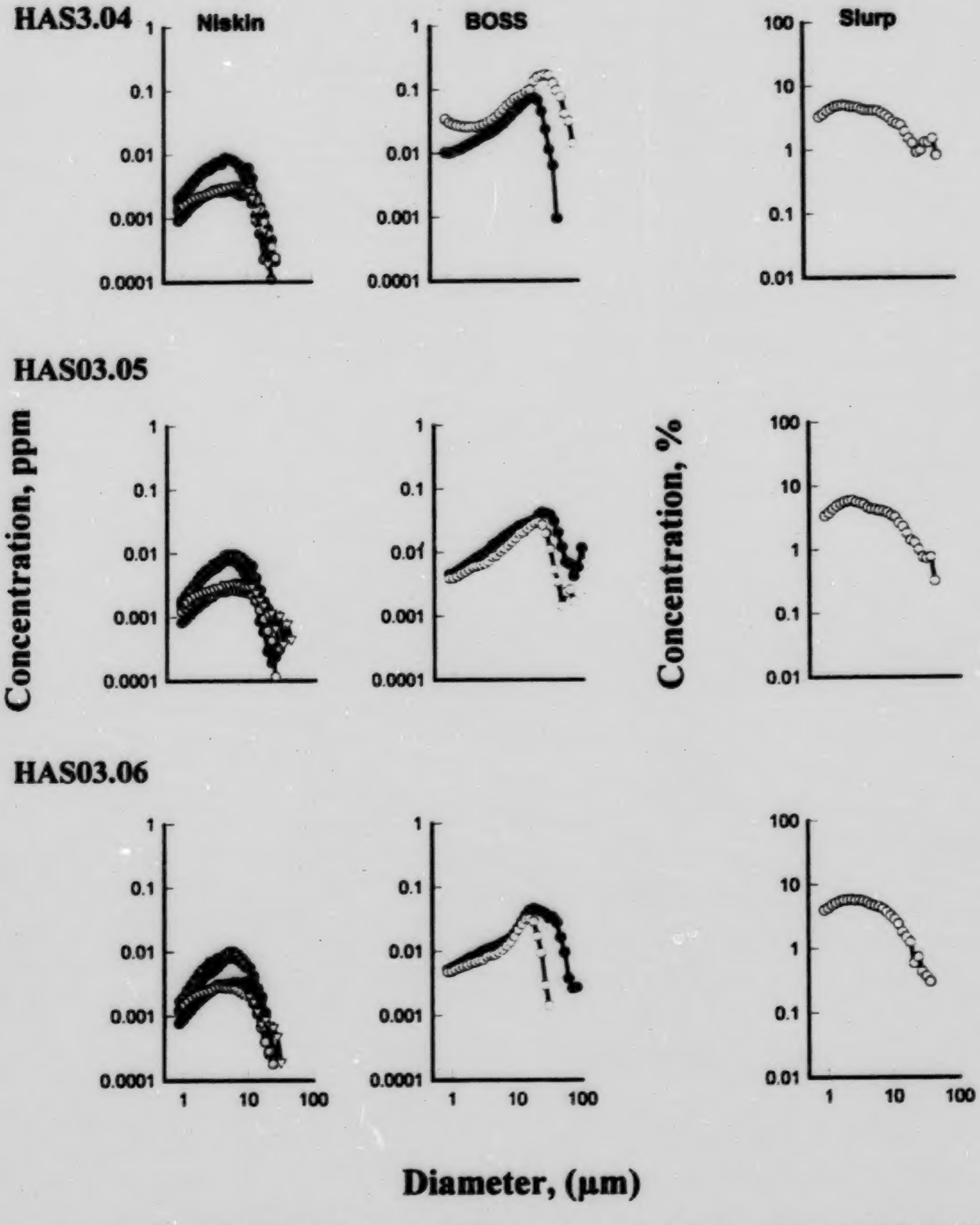

Figure 26. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shade of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles. For the BOSS samples the black circles are used for the 0.35-0.50 m above bottom sample and open circles are used for the 0.05-0.25 m sample. Samples from mission 98-015.

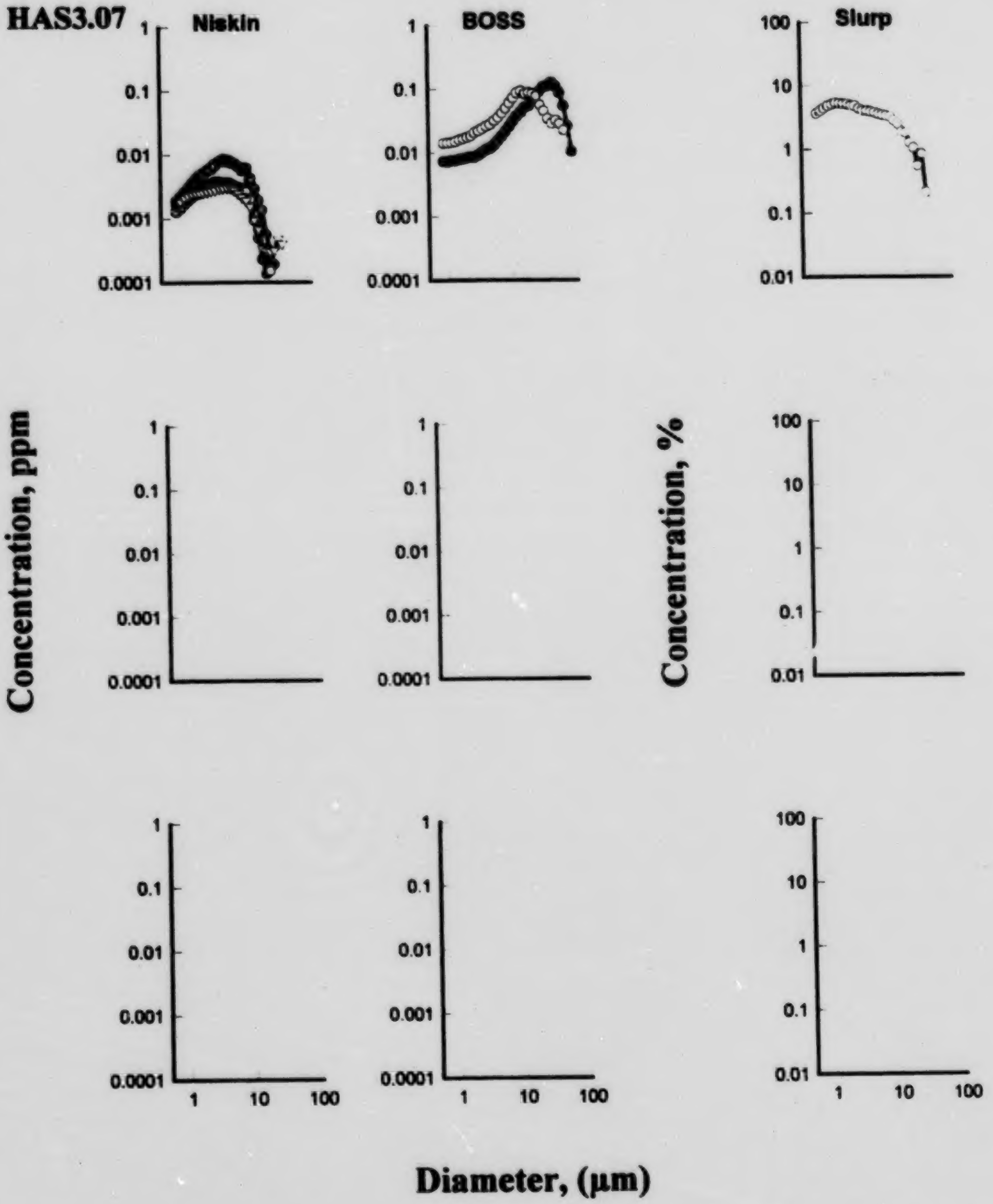

Figure 27. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shade of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles. For the BOSS samples the black circles are used for the 0.35-0.50 m above bottom sample and open circles are used for the 0.05-0.25 m sample. Samples from mission 98-015.

Appendix III. DIGS, raw data of samples collected, from Mission 99-012.

Table 68. DIGS, raw data: Station N0 , Mission 99-012

Station	**N0**	**N0**	**N0**	**N0**	**N0**	**N0**
Depth (m)	1	25	50	75	82	82
Time GMT	13:00	13:00	13:00	13:00	11:30	13:33
Sampler	niskin	niskin	niskin	niskin	CABLE	Slurp
Total SPM	0.65	0.41	0.38	0.48	4.96	51.49
Total PPM	0.00384	0.01328	0.03838	0.08761	0.14689	100
Diameter (um)						
0.76	0.00020	0.00044	0.00055	0.00098	0.00149	2.19
0.87	0.00016	0.00043	0.00056	0.00106	0.00175	2.45
1.00	0.00014	0.00043	0.00062	0.00116	0.00204	2.80
1.15	0.00015	0.00045	0.00070	0.00130	0.00242	3.08
1.32	0.00014	0.00044	0.00078	0.00147	0.00271	3.17
1.52	0.00014	0.00044	0.00088	0.00166	0.00315	3.11
1.74	0.00014	0.00047	0.00100	0.00185	0.00356	3.11
2.00	0.00015	0.00050	0.00115	0.00201	0.00390	3.33
2.30	0.00016	0.00054	0.00122	0.00235	0.00447	3.39
2.64	0.00015	0.00059	0.00142	0.00259	0.00481	3.25
3.03	0.00019	0.00067	0.00166	0.00307	0.00607	3.52
3.48	0.00015	0.00069	0.00220	0.00382	0.00741	3.37
4.00	0.00013	0.00065	0.00209	0.00438	0.00826	3.76
4.59	0.00015	0.00054	0.00215	0.00464	0.00814	3.42
5.28	0.00016	0.00057	0.00227	0.00580	0.00870	3.65
6.06	0.00018	0.00062	0.00241	0.00608	0.00930	4.06
6.96	0.00018	0.00070	0.00245	0.00644	0.00972	4.28
8.00	0.00018	0.00064	0.00251	0.00659	0.00978	4.72
9.19	0.00018	0.00062	0.00252	0.00658	0.00935	4.78
10.56	0.00016	0.00054	0.00235	0.00700	0.01008	5.19
12.13	0.00013	0.00055	0.00235	0.00716	0.01199	5.66
13.93	0.00016	0.00040	0.00145	0.00436	0.00719	4.66
16.00	0.00014	0.00040	0.00118	0.00224	0.00321	4.05
18.38	0.00014	0.00034	0.00088	0.00156	0.00318	4.10
21.11	0.00008	0.00037	0.00049	0.00113	0.00269	3.67
24.25	..	0.00023	0.00027	0.00035	0.00084	2.89
27.86	..	..	0.00024	..	0.00067	2.65
32.00	..	..	..	..	..	0.76
36.76	..	..	..	..	..	0.92
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 69. DIGS, raw data: Station N1, Mission 99-012

Station	**N1**	**N1**	**N1**	**N1**	**N1**	**N1**
Depth (m)	1	25	50		84	84
Time GMT	10:46	10:46	10:46		10:27	9:59
Sampler	niskin	niskin	niskin	niskin	CABLE	Slurp
Total SPM	0.60	0.61	0.37	..	9.96	80.86
Total PPM	0.00365	0.00618	0.00467	..	0.14317	100
Diameter (um)						
0.76	0.00005	0.00027	0.00011	..	0.00169	2.02
0.87	0.00006	0.00029	0.00014	..	0.00198	2.24
1.00	0.00006	0.00025	0.00013	..	0.00218	2.49
1.15	0.00006	0.00022	0.00011	..	0.00240	2.73
1.32	0.00005	0.00023	0.00011	..	0.00272	2.86
1.52	0.00005	0.00023	0.00011	..	0.00286	2.94
1.74	0.00005	0.00025	0.00012	..	0.00332	2.99
2.00	0.00005	0.00028	0.00014	..	0.00370	3.00
2.30	0.00006	0.00029	0.00016	..	0.00412	3.10
2.64	0.00008	0.00030	0.00014	..	0.00462	3.26
3.03	0.00012	0.00031	0.00017	..	0.00550	3.25
3.48	0.00018	0.00034	0.00019	..	0.00577	3.68
4.00	0.00020	0.00033	0.00026	..	0.00829	3.83
4.59	0.00018	0.00031	0.00028	..	0.00828	4.67
5.28	0.00018	0.00031	0.00028	..	0.00879	4.67
6.06	0.00019	0.00029	0.00028	..	0.00907	5.04
6.96	0.00021	0.00032	0.00031	..	0.00948	5.29
8.00	0.00022	0.00027	0.00030	..	0.00951	5.32
9.19	0.00023	0.00022	0.00030	..	0.00955	5.40
10.56	0.00021	0.00020	0.00025	..	0.00947	5.67
12.13	0.00029	0.00017	0.00029	..	0.01090	6.15
13.93	0.00032	0.00018	0.00026	..	0.00828	5.46
16.00	0.00019	0.00011	0.00013	..	0.00379	3.16
18.38	0.00020	0.00011	0.00010	..	0.00289	2.82
21.11	0.00015	0.00010	..	..	0.00249	2.49
24.25	..	..	..	..	0.00085	1.93
27.86	..	..	..	..	0.00066	1.68
32.00	..	..	..	..	..	1.04
36.76	..	..	..	..	..	0.83
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 70. DIGS, raw data: Station N2, Mission 99-012

Station	N2	N2	N2	N2	N2	N2
Depth (m)	1	25	50	75	83	83
Time GMT	8:48	8:48	8:48	8:48	9:21	8:28
Sampler	niskin	niskin	niskin	niskin	CABLE	Slurp
Total SPM	0.32	0.38	0.21	0.30	0.73	5.14
Total PPM	0.01868	0.00834	0.02949	0.03135	0.03751	100
Diameter (um)						
0.76	0.00044	0.00032	0.00054	0.00074	0.00113	2.34
0.87	0.00061	0.00060	0.00073	0.00097	0.00133	2.67
1.00	0.00064	0.00054	0.00075	0.00105	0.00133	2.87
1.15	0.00052	0.00029	0.00067	0.00096	0.00129	3.11
1.32	0.00046	0.00019	0.00068	0.00094	0.00131	3.33
1.52	0.00050	0.00018	0.00073	0.00098	0.00135	3.62
1.74	0.00052	0.00018	0.00080	0.00102	0.00137	3.81
2.00	0.00058	0.00018	0.00084	0.00108	0.00143	4.06
2.30	0.00064	0.00021	0.00098	0.00111	0.00162	4.10
2.64	0.00067	0.00022	0.00120	0.00121	0.00160	4.18
3.03	0.00078	0.00021	0.00128	0.00147	0.00156	3.99
3.48	0.00066	0.00023	0.00141	0.00159	0.00153	3.75
4.00	0.00086	0.00025	0.00178	0.00197	0.00174	3.97
4.59	0.00096	0.00026	0.00180	0.00190	0.00155	4.19
5.28	0.00096	0.00026	0.00179	0.00184	0.00158	4.23
6.06	0.00097	0.00027	0.00182	0.00179	0.00168	4.35
6.96	0.00101	0.00026	0.00186	0.00164	0.00174	4.50
8.00	0.00100	0.00027	0.00172	0.00170	0.00163	4.30
9.19	0.00095	0.00028	0.00168	0.00152	0.00158	4.51
10.56	0.00090	0.00032	0.00149	0.00144	0.00156	4.59
12.13	0.00080	0.00031	0.00144	0.00161	0.00141	4.41
13.93	0.00064	0.00037	0.00115	0.00117	0.00137	4.00
16.00	0.00060	0.00037	0.00088	0.00050	0.00118	3.87
18.38	0.00049	0.00043	0.00063	0.00049	0.00116	3.25
21.11	0.00059	0.00038	0.00053	0.00045	0.00079	3.09
24.25	0.00048	0.00033	0.00031	0.00020	0.00082	2.02
27.86	0.00046	0.00027	..	..	0.00090	1.27
32.00	..	0.00037	..	..	..	1.06
36.76	..	..	..	..	..	0.57
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 71. DIGS, raw data: Station N3, Mission 99-012

Station	N3	N3	N3	N3	N3	N3
Depth (m)	1	25	50	75	80	
Time GMT	8:02	8:02	8:02	8:02	7:45	
Sampler	niskin	niskin	niskin	niskin	CABLE	Slurp
Total SPM	0.78	0.53	0.29	0.28	2.17	..
Total PPM	0.01351	0.01110	0.01505	0.02424	0.09343	..
Diameter (um)						
0.76	0.00030	0.00036	0.00034	0.00036	0.00097	..
0.87	0.00034	0.00041	0.00039	0.00041	0.00119	..
1.00	0.00038	0.00045	0.00045	0.00049	0.00143	..
1.15	0.00040	0.00042	0.00049	0.00055	0.00167	..
1.32	0.00043	0.00038	0.00052	0.00063	0.00185	..
1.52	0.00048	0.00040	0.00056	0.00070	0.00220	..
1.74	0.00048	0.00042	0.00059	0.00075	0.00239	..
2.00	0.00053	0.00042	0.00068	0.00079	0.00266	..
2.30	0.00058	0.00045	0.00076	0.00088	0.00303	..
2.64	0.00066	0.00048	0.00077	0.00105	0.00344	..
3.03	0.00079	0.00053	0.00087	0.00108	0.00379	..
3.48	0.00086	0.00058	0.00081	0.00134	0.00464	..
4.00	0.00073	0.00049	0.00094	0.00154	0.00578	..
4.59	0.00070	0.00059	0.00092	0.00164	0.00592	..
5.28	0.00072	0.00059	0.00088	0.00157	0.00609	..
6.06	0.00072	0.00059	0.00085	0.00154	0.00593	..
6.96	0.00073	0.00059	0.00079	0.00148	0.00617	..
8.00	0.00069	0.00057	0.00078	0.00146	0.00596	..
9.19	0.00060	0.00053	0.00067	0.00134	0.00582	..
10.56	0.00058	0.00045	0.00055	0.00115	0.00573	..
12.13	0.00046	0.00044	0.00054	0.00099	0.00613	..
13.93	0.00040	0.00044	0.00036	0.00084	0.00465	..
16.00	0.00035	0.00025	0.00020	0.00063	0.00193	..
18.38	0.00021	0.00021	0.00022	0.00045	0.00176	..
21.11	0.00022	0.00010	0.00013	0.00027	0.00166	..
24.25	0.00016	..	..	0.00031	0.00066	..
27.86	..	..	..	..	..	..
32.00	..	..	..	..	..	..
36.76	..	..	..	..	..	..
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 72. DIGS, raw data: Station N4, Mission 99-012

Station	**N4**	**N4**	**N4**	**N4**	**N4**	**N4**
Depth (m)	1		50	75	82	82
Time GMT	6:29		6:29	6:29	6:52	6:09
Sampler	niskin	niskin	niskin	niskin	CABLE	Slurp
Total SPM	1.24	..	0.38	0.41	0.52	5.80
Total PPM	0.01581	..	0.01945	0.09009	0.18701	100
Diameter (um)						
0.76	0.00041	..	0.00034	0.00084	0.00182	1.92
0.87	0.00044	..	0.00039	0.00101	0.00218	2.33
1.00	0.00048	..	0.00044	0.00121	0.00256	2.74
1.15	0.00051	..	0.00050	0.00139	0.00308	3.09
1.32	0.00051	..	0.00056	0.00154	0.00347	3.37
1.52	0.00055	..	0.00063	0.00180	0.00393	3.70
1.74	0.00060	..	0.00072	0.00205	0.00462	4.05
2.00	0.00060	..	0.00071	0.00215	0.00532	4.12
2.30	0.00065	..	0.00089	0.00257	0.00558	4.19
2.64	0.00061	..	0.00096	0.00284	0.00625	4.53
3.03	0.00078	..	0.00101	0.00325	0.00748	5.13
3.48	0.00073	..	0.00103	0.00349	0.00772	4.73
4.00	0.00084	..	0.00116	0.00481	0.01060	5.30
4.59	0.00084	..	0.00120	0.00526	0.01116	5.56
5.28	0.00082	..	0.00116	0.00560	0.01152	5.30
6.06	0.00086	..	0.00116	0.00601	0.01200	5.30
6.96	0.00084	..	0.00112	0.00621	0.01212	5.03
8.00	0.00080	..	0.00103	0.00638	0.01264	4.83
9.19	0.00075	..	0.00102	0.00611	0.01278	4.31
10.56	0.00068	..	0.00090	0.00672	0.01292	3.63
12.13	0.00066	..	0.00089	0.00770	0.01489	3.39
13.93	0.00048	..	0.00066	0.00603	0.01178	2.71
16.00	0.00045	..	0.00035	0.00217	0.00389	2.12
18.38	0.00037	..	0.00031	0.00157	0.00282	1.87
21.11	0.00029	..	0.00015	0.00122	0.00248	1.75
24.25	0.00025	..	0.00016	0.00019	0.00067	1.91
27.86	..	..	..	..	0.00075	0.84
32.00	..	..	..	..	..	1.17
36.76	..	..	..	..	..	1.08
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 73. DIGS, raw data: Station N5, Mission 99-012

Station	N5	N5	N5	N5	N5	N5
Depth (m)	1	25	50	75	86	86
Time GMT	5:31	5:31	5:31	5:31	5:16	4:53
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.41	0.76	0.30	0.32	0.44	0.70
Total PPM	0.01990	0.01270	0.03149	0.08097	0.14191	100
Diameter (um)						
0.76	0.00064	0.00046	0.00061		0.00182	1.33
0.87	0.00095	0.00051	0.00065	0.00214	0.00216	1.53
1.00	0.00105	0.00054	0.00074	0.00215	0.00252	1.77
1.15	0.00080	0.00054	0.00080	0.00225	0.00278	1.99
1.32	0.00068	0.00054	0.00088	0.00230	0.00318	2.14
1.52	0.00065	0.00054	0.00092	0.00254	0.00344	2.48
1.74	0.00076	0.00058	0.00106	0.00266	0.00360	2.71
2.00	0.00077	0.00058	0.00119	0.00282	0.00419	2.90
2.30	0.00082	0.00061	0.00124	0.00309	0.00448	3.23
2.64	0.00091	0.00061	0.00129	0.00301	0.00489	3.50
3.03	0.00097	0.00060	0.00153	0.00338	0.00491	3.75
3.48	0.00092	0.00074	0.00162	0.00358	0.00609	4.65
4.00	0.00094	0.00065	0.00192	0.00448	0.00659	4.62
4.59	0.00095	0.00061	0.00181	0.00424	0.00724	5.09
5.28	0.00098	0.00062	0.00185	0.00437	0.00742	5.36
6.06	0.00096	0.00059	0.00189	0.00449	0.00790	5.84
6.96	0.00096	0.00058	0.00187	0.00470	0.00817	5.98
8.00	0.00090	0.00055	0.00175	0.00486	0.00862	6.45
9.19	0.00081	0.00052	0.00177	0.00476	0.00874	6.47
10.56	0.00076	0.00044	0.00148	0.00472	0.00966	6.37
12.13	0.00074	0.00037	0.00140	0.00531	0.01198	7.97
13.93	0.00057	0.00030	0.00111	0.00456	0.01088	6.52
16.00	0.00046	0.00027	0.00074	0.00179	0.00338	2.74
18.38	0.00035	0.00023	0.00053	0.00131	0.00298	1.85
21.11	0.00022	0.00013	0.00053	0.00120	0.00297	2.10
24.25	0.00014	..	0.00031	0.00026	0.00133	0.62
27.86	0.00025	..	..	..	..	..
32.00	..	..	..	..	..	..
36.76	..	..	..	..	..	..
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 74. DIGS, raw data: Station N6, Mission 99-012

Station	N6	N6	N6	N6	N6	N6
Depth (m)	1	25	50	75	89	89
Time GMT	3:49	3:49	3:49	3:49	4:15	3:17
Sampler	niskin	niskin	niskin	niskin	CABLE	Slurp
Total SPM	1.51	0.13	0.17	0.20	1.00	7.77
Total PPM	0.01558	0.01512	0.02609	0.05711	0.22402	100
Diameter (um)						
0.76	0.00025	0.00026	0.00040	0.00059	0.00216	1.77
0.87	0.00028	0.00028	0.00048	0.00070	0.00247	2.06
1.00	0.00031	0.00031	0.00057	0.00084	0.00298	2.41
1.15	0.00033	0.00033	0.00063	0.00099	0.00337	2.78
1.32	0.00038	0.00037	0.00070	0.00115	0.00389	3.17
1.52	0.00040	0.00039	0.00075	0.00131	0.00420	3.36
1.74	0.00046	0.00042	0.00082	0.00143	0.00470	3.75
2.00	0.00052	0.00045	0.00092	0.00172	0.00511	3.88
2.30	0.00057	0.00055	0.00094	0.00185	0.00597	4.00
2.64	0.00064	0.00058	0.00120	0.00195	0.00654	4.28
3.03	0.00062	0.00062	0.00111	0.00236	0.00725	4.11
3.48	0.00071	0.00063	0.00118	0.00274	0.00693	3.78
4.00	0.00079	0.00079	0.00137	0.00322	0.00970	4.97
4.59	0.00077	0.00061	0.00133	0.00336	0.01149	4.44
5.28	0.00079	0.00064	0.00135	0.00361	0.01272	4.70
6.06	0.00082	0.00066	0.00139	0.00367	0.01468	4.99
6.96	0.00082	0.00066	0.00143	0.00370	0.01549	5.05
8.00	0.00086	0.00068	0.00140	0.00367	0.01579	4.89
9.19	0.00082	0.00074	0.00131	0.00361	0.01622	4.72
10.56	0.00080	0.00070	0.00119	0.00330	0.01577	4.48
12.13	0.00081	0.00066	0.00131	0.00334	0.01872	4.20
13.93	0.00076	0.00062	0.00110	0.00274	0.01681	3.58
16.00	0.00051	0.00047	0.00086	0.00167	0.00798	2.76
18.38	0.00042	0.00052	0.00089	0.00134	0.00467	2.74
21.11	0.00026	0.00035	0.00047	0.00129	0.00452	2.18
24.25	0.00030	0.00039	0.00053	0.00062	0.00266	2.20
27.86	0.00033	0.00057	0.00017	0.00034	0.00124	1.61
32.00	0.00024	0.00025	0.00027	..	..	1.08
36.76	..	0.00063	..	..	..	0.89
42.22	..	..	..	..	..	1.17
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 75. DIGS, raw data: Station S0, Mission 99-012

Station	S0	S0	S0	S0	S0	S0
Depth (m)	1	25	50	75	80	80
Time GMT	17:07	17:07	17:07	17:07	17:30	16:50
Sampler	niskin	niskin	niskin	niskin	CABLE	Slurp
Total SPM	0.32	0.62	0.42	0.29	0.59	3.76
Total PPM	0.00623	0.01028	0.01848	0.06095	0.07826	100
Diameter (um)						
0.76	0.00022	0.00025	0.00032	0.00053	0.00095	1.88
0.87	0.00022	0.00022	0.00031	0.00059	0.00099	2.08
1.00	0.00022	0.00022	0.00032	0.00067	0.00106	2.31
1.15	0.00021	0.00025	0.00036	0.00080	0.00122	2.55
1.32	0.00019	0.00027	0.00040	0.00090	0.00137	2.86
1.52	0.00019	0.00029	0.00043	0.00104	0.00160	3.00
1.74	0.00019	0.00029	0.00045	0.00116	0.00176	3.15
2.00	0.00019	0.00032	0.00052	0.00132	0.00215	3.37
2.30	0.00025	0.00034	0.00061	0.00144	0.00224	3.82
2.64	0.00024	0.00036	0.00071	0.00163	0.00270	4.04
3.03	0.00026	0.00038	0.00069	0.00195	0.00283	4.92
3.48	0.00033	0.00043	0.00081	0.00242	0.00340	5.00
4.00	0.00028	0.00046	0.00095	0.00306	0.00410	5.28
4.59	0.00029	0.00049	0.00098	0.00369	0.00437	5.17
5.28	0.00028	0.00052	0.00102	0.00390	0.00458	5.14
6.06	0.00031	0.00054	0.00108	0.00410	0.00478	5.20
6.96	0.00031	0.00053	0.00116	0.00431	0.00504	5.02
8.00	0.00032	0.00056	0.00121	0.00447	0.00522	4.96
9.19	0.00030	0.00053	0.00119	0.00463	0.00534	4.66
10.56	0.00030	0.00050	0.00119	0.00476	0.00569	4.67
12.13	0.00033	0.00051	0.00123	0.00507	0.00570	4.61
13.93	0.00029	0.00044	0.00088	0.00353	0.00400	3.68
16.00	0.00021	0.00040	0.00051	0.00198	0.00230	2.64
18.38	0.00014	0.00030	0.00054	0.00179	0.00222	2.28
21.11	0.00017	0.00035	0.00037	0.00079	0.00102	1.88
24.25	..	0.00024	0.00025	0.00042	0.00100	1.54
27.86	..	0.00028	..	..	0.00061	1.38
32.00	..	..	..	..	..	1.18
36.76	..	..	..	..	..	0.78
42.22	..	..	..	..	..	0.95
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 76. DIGS, raw data: Station S1, Mission 99-012

Station	**S1**	**S1**	**S1**	**S1**	**S1**	**S1**
Depth (m)	1	25	50	75	80	80
Time GMT	16:21	16:21	16:21	16:21	16:04	15:44
Sampler	niskin	niskin	niskin	niskin	CABLE	Slurp
Total SPM	0.35	0.30	0.33	0.29	0.52	2.10
Total PPM	0.02012	0.00713	0.00516	0.04298	0.03886	100
Diameter (um)						
0.76	0.00035	0.00017	0.00013	0.00051	0.00064	1.58
0.87	0.00040	0.00018	0.00014	0.00059	0.00071	1.72
1.00	0.00044	0.00018	0.00015	0.00070	0.00081	1.90
1.15	0.00048	0.00020	0.00014	0.00080	0.00083	2.02
1.32	0.00053	0.00021	0.00016	0.00093	0.00089	2.14
1.52	0.00057	0.00022	0.00016	0.00103	0.00091	2.20
1.74	0.00065	0.00022	0.00015	0.00116	0.00097	2.28
2.00	0.00066	0.00025	0.00017	0.00124	0.00110	2.52
2.30	0.00072	0.00028	0.00020	0.00138	0.00125	2.47
2.64	0.00080	0.00031	0.00019	0.00156	0.00120	2.86
3.03	0.00080	0.00033	0.00023	0.00172	0.00154	3.40
3.48	0.00093	0.00037	0.00025	0.00218	0.00170	2.89
4.00	0.00094	0.00033	0.00021	0.00268	0.00167	3.86
4.59	0.00105	0.00038	0.00024	0.00296	0.00203	3.85
5.28	0.00109	0.00039	0.00025	0.00294	0.00216	4.11
6.06	0.00114	0.00040	0.00028	0.00285	0.00226	4.52
6.96	0.00119	0.00037	0.00028	0.00281	0.00246	4.77
8.00	0.00121	0.00039	0.00030	0.00272	0.00247	5.32
9.19	0.00116	0.00037	0.00029	0.00253	0.00245	5.48
10.56	0.00108	0.00032	0.00029	0.00243	0.00255	5.61
12.13	0.00109	0.00032	0.00031	0.00264	0.00305	6.12
13.93	0.00090	0.00029	0.00019	0.00199	0.00246	5.69
16.00	0.00067	0.00018	0.00021	0.00104	0.00090	5.23
18.38	0.00042	0.00015	0.00016	0.00086	0.00080	4.46
21.11	0.00040	0.00016	0.00008	0.00049	0.00076	4.81
24.25	0.00024	0.00015	..	0.00025	0.00030	3.91
27.86	0.00021	..	..	..	..	2.71
32.00	..	..	..	..	..	1.58
36.76	..	..	..	..	..	..
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 77. DIGS, raw data: Station S2, Mission 99-012

Station	S2	S2	S2	S2	S2	S2
Depth (m)	1	25	50	75	80	
Time GMT	14:52	14:52	14:52	14:52	15:16	
Sampler	niskin	niskin	niskin	niskin	CABLE	Slurp
Total SPM	0.35	0.30	0.31	0.36	1.02	..
Total PPM	0.01843	0.00524	0.01800	0.06137	0.08207	..
Diameter (um)						
0.76	0.00029	0.00015	0.00041	0.00064	0.00079	..
0.87	0.00037	0.00019	0.00048	0.00079	0.00099	..
1.00	0.00038	0.00015	0.00047	0.00088	0.00100	..
1.15	0.00036	0.00013	0.00047	0.00097	0.00107	..
1.32	0.00041	0.00013	0.00051	0.00110	0.00125	..
1.52	0.00046	0.00014	0.00056	0.00131	0.00140	..
1.74	0.00046	0.00014	0.00062	0.00151	0.00159	..
2.00	0.00055	0.00017	0.00063	0.00172	0.00177	..
2.30	0.00062	0.00019	0.00067	0.00195	0.00203	..
2.64	0.00070	0.00022	0.00072	0.00227	0.00244	..
3.03	0.00076	0.00024	0.00085	0.00236	0.00268	..
3.48	0.00078	0.00029	0.00087	0.00276	0.00280	..
4.00	0.00086	0.00024	0.00104	0.00351	0.00363	..
4.59	0.00093	0.00028	0.00092	0.00371	0.00465	..
5.28	0.00096	0.00027	0.00094	0.00378	0.00494	..
6.06	0.00102	0.00029	0.00099	0.00393	0.00532	..
6.96	0.00106	0.00029	0.00102	0.00410	0.00567	..
8.00	0.00113	0.00026	0.00103	0.00417	0.00610	..
9.19	0.00107	0.00026	0.00091	0.00402	0.00598	..
10.56	0.00109	0.00027	0.00092	0.00404	0.00632	..
12.13	0.00110	0.00023	0.00096	0.00449	0.00674	..
13.93	0.00095	0.00021	0.00072	0.00346	0.00529	..
16.00	0.00075	0.00016	0.00059	0.00172	0.00256	..
18.38	0.00064	0.00009	0.00035	0.00115	0.00243	..
21.11	0.00029	0.00012	0.00021	0.00084	0.00188	..
24.25	0.00025	0.00013	0.00013	0.00017	0.00075	..
27.86	0.00017	..	..	..	..	..
32.00	..	..	..	..	..	..
36.76	..	..	..	..	..	..
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 78. DIGS, raw data: Station S3, Mission 99-012

Station	S3	S3	S3	S3	S3	S3
Depth (m)	1	25	50	70	80	
Time GMT	14:01	14:01	14:01	14:01	13:41	
Sampler	niskin	niskin	niskin	niskin	CABLE	Slurp
Total SPM	0.31	0.33	0.22	0.35	0.42	..
Total PPM	0.01855	0.01294	0.02312	0.09167	0.11432	..
Diameter (um)						
0.76	0.00033	0.00022	0.00027	0.00128	0.00121	..
0.87	0.00037	0.00024	0.00030	0.00150	0.00146	..
1.00	0.00040	0.00028	0.00037	0.00161	0.00171	..
1.15	0.00046	0.00030	0.00041	0.00165	0.00194	..
1.32	0.00048	0.00031	0.00046	0.00178	0.00218	..
1.52	0.00054	0.00034	0.00054	0.00192	0.00249	..
1.74	0.00061	0.00037	0.00063	0.00208	0.00271	..
2.00	0.00064	0.00041	0.00079	0.00229	0.00298	..
2.30	0.00067	0.00048	0.00102	0.00251	0.00326	..
2.64	0.00087	0.00052	0.00103	0.00292	0.00379	..
3.03	0.00087	0.00058	0.00097	0.00337	0.00416	..
3.48	0.00089	0.00062	0.00086	0.00384	0.00487	..
4.00	0.00110	0.00060	0.00110	0.00486	0.00625	..
4.59	0.00093	0.00070	0.00108	0.00521	0.00708	..
5.28	0.00099	0.00067	0.00112	0.00543	0.00737	..
6.06	0.00103	0.00069	0.00115	0.00573	0.00759	..
6.96	0.00109	0.00070	0.00115	0.00598	0.00753	..
8.00	0.00113	0.00070	0.00118	0.00616	0.00792	..
9.19	0.00096	0.00067	0.00110	0.00593	0.00737	..
10.56	0.00098	0.00066	0.00112	0.00624	0.00750	..
12.13	0.00086	0.00052	0.00115	0.00721	0.00896	..
13.93	0.00082	0.00043	0.00108	0.00595	0.00649	..
16.00	0.00050	0.00037	0.00090	0.00266	0.00269	..
18.38	0.00037	0.00034	0.00083	0.00186	0.00189	..
21.11	0.00026	0.00029	0.00073	0.00127	0.00188	..
24.25	0.00021	0.00018	0.00061	0.00045	0.00054	..
27.86	0.00018	0.00032	0.00030	..	0.00051	..
32.00	..	0.00043	0.00040	..	..	..
36.76	..	..	0.00048	..	..	..
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 80. DIGS, raw data: Station S5, Mission 99-012

Station	S5	S5	S5	S5	S5	S5
Depth (m)	1	25	50	75	76	
Time GMT	10:44	10:44	10:44	10:44	10:22	
Sampler	niskin	niskin	niskin	niskin	CABLE	Slurp
Total SPM	0.20	0.62	0.51	0.38	0.57	..
Total PPM	0.01489	0.01385	0.02529	0.09058	0.09669	..
Diameter (um)						
0.76	0.00023	0.00044	0.00040	0.00061	0.00094	..
0.87	0.00027	0.00046	0.00045	0.00071	0.00113	..
1.00	0.00031	0.00050	0.00051	0.00078	0.00136	..
1.15	0.00036	0.00050	0.00058	0.00087	0.00157	..
1.32	0.00039	0.00052	0.00064	0.00095	0.00185	..
1.52	0.00043	0.00053	0.00074	0.00106	0.00204	..
1.74	0.00046	0.00056	0.00080	0.00119	0.00240	..
2.00	0.00052	0.00057	0.00090	0.00130	0.00268	..
2.30	0.00064	0.00062	0.00100	0.00148	0.00302	..
2.64	0.00071	0.00068	0.00113	0.00164	0.00356	..
3.03	0.00065	0.00062	0.00114	0.00189	0.00403	..
3.48	0.00072	0.00066	0.00130	0.00219	0.00456	..
4.00	0.00081	0.00071	0.00144	0.00293	0.00566	..
4.59	0.00080	0.00066	0.00142	0.00340	0.00624	..
5.28	0.00083	0.00067	0.00144	0.00344	0.00620	..
6.06	0.00085	0.00068	0.00145	0.00357	0.00629	..
6.96	0.00089	0.00070	0.00147	0.00361	0.00646	..
8.00	0.00087	0.00064	0.00149	0.00371	0.00650	..
9.19	0.00081	0.00063	0.00143	0.00348	0.00620	..
10.56	0.00081	0.00058	0.00127	0.00341	0.00626	..
12.13	0.00069	0.00054	0.00108	0.00352	0.00697	..
13.93	0.00068	0.00038	0.00087	0.00276	0.00501	..
16.00	0.00044	0.00027	0.00069	0.00131	0.00228	..
18.38	0.00039	0.00031	0.00058	0.00107	0.00183	..
21.11	0.00019	0.00021	0.00044	0.00062	0.00112	..
24.25	0.00015	0.00020	0.00030	0.00024	0.00053	..
27.86	..	..	0.00031	0.00018	..	..
32.00	..	..	..	..	..	..
36.76	..	..	..	..	..	..
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 79. DIGS, raw data: Station S4, Mission 99-012

Station	S4	S4	S4	S4	S4	S4
Depth (m)	1	25	50	75	76	
Time GMT	12:27	12:27	12:27	12:27	12:54	
Sampler	niskin	niskin	niskin	niskin	CABLE	Slurp
Total SPM	0.38	0.33	0.31	0.29	0.35	..
Total PPM	0.01836	0.02167	0.01752	0.06719	0.08157	..
Diameter (um)						
0.76	0.00052	0.00050	0.00042	0.00098	0.00180	..
0.87	0.00056	0.00051	0.00042	0.00103	0.00181	..
1.00	0.00049	0.00052	0.00044	0.00113	0.00183	..
1.15	0.00050	0.00053	0.00044	0.00118	0.00194	..
1.32	0.00053	0.00058	0.00047	0.00129	0.00202	..
1.52	0.00055	0.00060	0.00052	0.00143	0.00219	..
1.74	0.00060	0.00068	0.00057	0.00161	0.00235	..
2.00	0.00063	0.00074	0.00061	0.00177	0.00241	..
2.30	0.00078	0.00082	0.00074	0.00198	0.00282	..
2.64	0.00087	0.00080	0.00082	0.00216	0.00286	..
3.03	0.00090	0.00099	0.00090	0.00268	0.00335	..
3.48	0.00085	0.00112	0.00091	0.00330	0.00359	..
4.00	0.00090	0.00118	0.00103	0.00358	0.00432	..
4.59	0.00095	0.00114	0.00099	0.00364	0.00458	..
5.28	0.00096	0.00115	0.00101	0.00380	0.00460	..
6.06	0.00098	0.00113	0.00099	0.00397	0.00474	..
6.96	0.00105	0.00119	0.00099	0.00425	0.00477	..
8.00	0.00103	0.00114	0.00097	0.00437	0.00489	..
9.19	0.00092	0.00107	0.00093	0.00421	0.00463	..
10.56	0.00086	0.00096	0.00086	0.00425	0.00475	..
12.13	0.00071	0.00084	0.00081	0.00491	0.00497	..
13.93	0.00063	0.00075	0.00068	0.00389	0.00402	..
16.00	0.00045	0.00065	0.00038	0.00189	0.00205	..
18.38	0.00043	0.00056	0.00043	0.00146	0.00197	..
21.11	0.00018	0.00047	0.00019	0.00092	0.00125	..
24.25	0.00027	0.00050	..	0.00062	0.00065	..
27.86	0.00023	0.00054	..	0.00049	0.00041	..
32.00	..	..	..	0.00038	..	..
36.76	..	..	..	..	..	..
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 81. DIGS, raw data: Station S6, Mission 99-012

Station	S6	S6	S6	S6	S6	S6
Depth (m)	1	25	50	75	75	
Time GMT	8:38	8:38	8:38	8:38	9:04	
Sampler	niskin	niskin	niskin	niskin	CABLE	Slurp
Total SPM	0.44	0.27	0.18	0.06	0.70	..
Total PPM	0.00997	0.00936	0.01077	0.02423	0.05513	..
Diameter (um)						
0.76	0.00020	0.00022	0.00022	0.00035	0.00094	..
0.87	0.00022	0.00024	0.00023	0.00041	0.00103	..
1.00	0.00025	0.00027	0.00027	0.00047	0.00118	..
1.15	0.00027	0.00029	0.00030	0.00053	0.00128	..
1.32	0.00028	0.00031	0.00032	0.00059	0.00142	..
1.52	0.00032	0.00033	0.00033	0.00067	0.00151	..
1.74	0.00033	0.00035	0.00038	0.00071	0.00173	..
2.00	0.00037	0.00037	0.00043	0.00083	0.00197	..
2.30	0.00041	0.00040	0.00049	0.00091	0.00201	..
2.64	0.00045	0.00049	0.00051	0.00104	0.00225	..
3.03	0.00047	0.00045	0.00058	0.00112	0.00251	..
3.48	0.00044	0.00055	0.00061	0.00152	0.00302	..
4.00	0.00056	0.00050	0.00064	0.00138	0.00306	..
4.59	0.00054	0.00054	0.00060	0.00154	0.00314	..
5.28	0.00056	0.00051	0.00066	0.00154	0.00304	..
6.06	0.00055	0.00053	0.00065	0.00150	0.00307	..
6.96	0.00055	0.00048	0.00065	0.00152	0.00318	..
8.00	0.00056	0.00048	0.00060	0.00150	0.00298	..
9.19	0.00051	0.00045	0.00053	0.00135	0.00289	..
10.56	0.00045	0.00040	0.00050	0.00126	0.00274	..
12.13	0.00046	0.00030	0.00045	0.00136	0.00260	..
13.93	0.00039	0.00031	0.00037	0.00090	0.00205	..
16.00	0.00025	0.00025	0.00017	0.00054	0.00144	..
18.38	0.00018	0.00023	0.00015	0.00042	0.00133	..
21.11	0.00023	0.00014	0.00016	0.00028	0.00117	..
24.25	0.00017	..	..	..	0.00096	..
27.86	..	..	..	..	0.00062	..
32.00	..	..	..	..	..	..
36.76	..	..	..	..	..	..
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 82. DIGS, raw data: Station W0, Mission 99-012

Station	W0	W0	W0	W0	W0	W0
Depth (m)	1	25	50	75	82	
Time GMT	15:00	15:00	15:00	15:00	14:49	
Sampler	niskin	niskin	niskin	niskin	CABLE	Slurp
Total SPM	0.29	3.83	1.33	0.61	1.14	..
Total PPM	0.00434	0.00690	0.04302	0.08864	0.08619	..
Diameter (um)						
0.76	0.00016	0.00021	0.00035	0.00062	0.00126	..
0.87	0.00019	0.00022	0.00039	0.00079	0.00136	..
1.00	0.00016	0.00020	0.00048	0.00095	0.00153	..
1.15	0.00014	0.00018	0.00059	0.00113	0.00179	..
1.32	0.00013	0.00019	0.00070	0.00134	0.00202	..
1.52	0.00013	0.00018	0.00083	0.00155	0.00214	..
1.74	0.00013	0.00018	0.00094	0.00179	0.00245	..
2.00	0.00015	0.00018	0.00107	0.00207	0.00266	..
2.30	0.00015	0.00017	0.00119	0.00233	0.00296	..
2.64	0.00016	0.00021	0.00135	0.00282	0.00335	..
3.03	0.00017	0.00023	0.00168	0.00317	0.00375	..
3.48	0.00020	0.00025	0.00196	0.00367	0.00470	..
4.00	0.00022	0.00023	0.00221	0.00478	0.00592	..
4.59	0.00024	0.00027	0.00293	0.00575	0.00574	..
5.28	0.00023	0.00030	0.00302	0.00595	0.00559	..
6.06	0.00023	0.00032	0.00321	0.00614	0.00547	..
6.96	0.00024	0.00037	0.00326	0.00626	0.00534	..
8.00	0.00022	0.00041	0.00334	0.00643	0.00511	..
9.19	0.00024	0.00042	0.00305	0.00640	0.00488	..
10.56	0.00021	0.00047	0.00273	0.00643	0.00505	..
12.13	0.00021	0.00058	0.00268	0.00736	0.00477	..
13.93	0.00015	0.00056	0.00215	0.00526	0.00323	..
16.00	0.00008	0.00026	0.00134	0.00213	0.00189	..
18.38	0.00010	0.00019	0.00082	0.00163	0.00138	..
21.11	0.00010	0.00014	0.00050	0.00140	0.00114	..
24.25	..	..	0.00024	0.00049	0.00072	..
27.86	..	..	..	..	..	..
32.00	..	..	..	..	..	..
36.76	..	..	..	..	..	..
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 83. DIGS, raw data: Station W1, Mission 99-012

Station	W1	W1	W1	W1	W1	W1
Depth (m)	1	25	50		82	
Time GMT	15:47	15:47	15:47		16:11	
Sampler	niskin	niskin	niskin	niskin	CABLE	Slurp
Total SPM	0.31	0.27	0.19	..	9.62	..
Total PPM	0.00625	0.02211	0.04152	..	0.13240	..
Diameter (um)						
0.76	0.00012	0.00169	0.00084	..	0.00202	..
0.87	0.00013	0.00193	0.00101	..	0.00280	..
1.00	0.00014	0.00160	0.00100	..	0.00307	..
1.15	0.00015	0.00131	0.00097	..	0.00302	..
1.32	0.00017	0.00121	0.00103	..	0.00317	..
1.52	0.00016	0.00112	0.00113	..	0.00339	..
1.74	0.00019	0.00083	0.00119	..	0.00387	..
2.00	0.00021	0.00068	0.00128	..	0.00442	..
2.30	0.00023	0.00071	0.00144	..	0.00488	..
2.64	0.00025	0.00076	0.00155	..	0.00550	..
3.03	0.00030	0.00093	0.00185	..	0.00638	..
3.48	0.00028	0.00075	0.00210	..	0.00670	..
4.00	0.00032	0.00088	0.00272	..	0.00901	..
4.59	0.00038	0.00096	0.00269	..	0.00935	..
5.28	0.00038	0.00090	0.00269	..	0.00930	..
6.06	0.00036	0.00087	0.00268	..	0.00893	..
6.96	0.00037	0.00082	0.00261	..	0.00836	..
8.00	0.00038	0.00082	0.00250	..	0.00795	..
9.19	0.00038	0.00070	0.00239	..	0.00724	..
10.56	0.00034	0.00061	0.00214	..	0.00652	..
12.13	0.00028	0.00061	0.00207	..	0.00578	..
13.93	0.00031	0.00048	0.00150	..	0.00381	..
16.00	0.00018	0.00023	0.00090	..	0.00226	..
18.38	0.00013	0.00029	0.00061	..	0.00185	..
21.11	0.00010	0.00024	0.00041	..	0.00124	..
24.25	..	0.00017	0.00019	..	0.00071	..
27.86	..	..	..	..	0.00087	..
32.00	..	..	..	..	..	..
36.76	..	..	..	..	..	..
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 84. DIGS, raw data: Station W2, Mission 99-012

Station	W2	W2	W2	W2	W2	W2
Depth (m)	1	25	50	75	80	80
Time GMT	1:23	1:23	1:23	1:23	23:01	22:46
Sampler	niskin	niskin	niskin	niskin	CABLE	Slurp
Total SPM	0.28	0.21	0.36	0.34	1.46	136.35
Total PPM	0.01540	0.01649	0.03261	0.05761	0.09552	100
Diameter (um)						
0.76	0.00029	0.00027	0.00038	0.00060	0.00149	1.46
0.87	0.00033	0.00031	0.00045	0.00071	0.00166	1.73
1.00	0.00036	0.00033	0.00051	0.00084	0.00179	2.05
1.15	0.00040	0.00036	0.00059	0.00098	0.00185	2.51
1.32	0.00044	0.00040	0.00064	0.00111	0.00196	3.04
1.52	0.00046	0.00044	0.00074	0.00130	0.00206	3.51
1.74	0.00051	0.00046	0.00082	0.00146	0.00214	4.14
2.00	0.00055	0.00055	0.00091	0.00164	0.00240	4.77
2.30	0.00064	0.00058	0.00105	0.00181	0.00272	5.55
2.64	0.00068	0.00068	0.00122	0.00210	0.00296	5.63
3.03	0.00074	0.00071	0.00140	0.00258	0.00309	6.59
3.48	0.00080	0.00080	0.00144	0.00305	0.00300	5.31
4.00	0.00084	0.00081	0.00186	0.00372	0.00436	6.38
4.59	0.00081	0.00084	0.00203	0.00377	0.00389	5.91
5.28	0.00078	0.00088	0.00207	0.00382	0.00431	5.57
6.06	0.00080	0.00088	0.00213	0.00378	0.00494	5.38
6.96	0.00082	0.00088	0.00216	0.00383	0.00517	4.89
8.00	0.00080	0.00085	0.00220	0.00376	0.00538	4.56
9.19	0.00077	0.00083	0.00208	0.00359	0.00542	4.18
10.56	0.00071	0.00081	0.00189	0.00350	0.00537	3.51
12.13	0.00075	0.00079	0.00188	0.00332	0.00547	3.01
13.93	0.00063	0.00075	0.00149	0.00251	0.00466	2.46
16.00	0.00049	0.00058	0.00109	0.00143	0.00420	2.34
18.38	0.00036	0.00061	0.00081	0.00094	0.00385	1.95
21.11	0.00030	0.00051	0.00056	0.00096	0.00311	1.64
24.25	0.00020	0.00032	0.00021	0.00033	0.00250	1.35
27.86	0.00016	0.00026	..	0.00018	0.00288	0.59
32.00	..	..	..	..	0.00151	..
36.76	..	..	..	..	0.00135	..
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 85. DIGS, raw data: Station W3, Mission 99-012

Station	**W3**	**W3**	**W3**	**W3**	**W3**	**W3**
Depth (m)			50	75		
Time GMT			21:26	21:26		
Sampler	niskin	niskin	niskin	niskin	CABLE	Slurp
Total SPM	..	..	0.60	0.26	..	..
Total PPM	..	..	0.03502	0.09734	..	..
Diameter (um)						
0.76	..	..	0.00049	0.00115	..	..
0.87	..	..	0.00054	0.00135	..	..
1.00	..	..	0.00064	0.00154	..	..
1.15	..	..	0.00072	0.00174	..	..
1.32	..	..	0.00083	0.00201	..	..
1.52	..	..	0.00094	0.00235	..	..
1.74	..	..	0.00108	0.00263	..	..
2.00	..	..	0.00125	0.00285	..	..
2.30	..	..	0.00140	0.00319	..	..
2.64	..	..	0.00150	0.00357	..	..
3.03	..	..	0.00168	0.00424	..	..
3.48	..	..	0.00181	0.00455	..	..
4.00	..	..	0.00213	0.00579	..	..
4.59	..	..	0.00194	0.00614	..	..
5.28	..	..	0.00196	0.00626	..	..
6.06	..	..	0.00203	0.00634	..	..
6.96	..	..	0.00207	0.00617	..	..
8.00	..	..	0.00208	0.00644	..	..
9.19	..	..	0.00203	0.00604	..	..
10.56	..	..	0.00195	0.00593	..	..
12.13	..	..	0.00211	0.00662	..	..
13.93	..	..	0.00160	0.00496	..	..
16.00	..	..	0.00084	0.00174	..	..
18.38	..	..	0.00053	0.00143	..	..
21.11	..	..	0.00044	0.00131	..	..
24.25	..	..	0.00017	0.00059	..	..
27.86	..	..	0.00024	0.00040	..	..
32.00	..	..	..	..	..	..
36.76	..	..	..	..	..	..
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 86. DIGS, raw data: Station E4, Mission 99-012

Station	**E4**	**E4**	**E4**	**E4**	**E4**	**E4**
Depth (m)	1	25	50	75		
Time GMT	6:56	6:56	6:56	6:56		
Sampler	niskin	niskin	niskin	niskin	CABLE	Slurp
Total SPM	0.40	0.65	0.22	0.37	..	..
Total PPM	0.00903	0.01027	0.01059	0.05721	..	..
Diameter (um)						
0.76	0.00034	0.00050	0.00024	0.00069	..	..
0.87	0.00036	0.00051	0.00029	0.00082	..	..
1.00	0.00034	0.00051	0.00032	0.00098	..	..
1.15	0.00033	0.00046	0.00029	0.00107	..	..
1.32	0.00032	0.00045	0.00030	0.00122	..	..
1.52	0.00036	0.00044	0.00033	0.00137	..	..
1.74	0.00037	0.00045	0.00036	0.00155	..	..
2.00	0.00039	0.00045	0.00038	0.00168	..	..
2.30	0.00044	0.00050	0.00041	0.00193	..	..
2.64	0.00038	0.00038	0.00044	0.00213	..	..
3.03	0.00043	0.00052	0.00045	0.00247	..	..
3.48	0.00045	0.00043	0.00047	0.00268	..	..
4.00	0.00042	0.00053	0.00057	0.00383	..	..
4.59	0.00042	0.00050	0.00062	0.00397	..	..
5.28	0.00043	0.00049	0.00060	0.00389	..	..
6.06	0.00043	0.00046	0.00063	0.00380	..	..
6.96	0.00046	0.00044	0.00064	0.00372	..	..
8.00	0.00041	0.00044	0.00058	0.00358	..	..
9.19	0.00040	0.00041	0.00052	0.00343	..	..
10.56	0.00035	0.00033	0.00047	0.00336	..	..
12.13	0.00033	0.00032	0.00049	0.00348	..	..
13.93	0.00021	0.00023	0.00035	0.00267	..	..
16.00	0.00021	0.00018	0.00028	0.00112	..	..
18.38	0.00017	0.00011	0.00020	0.00104	..	..
21.11	0.00017	0.00008	0.00018	0.00057	..	..
24.25	0.00011	0.00016	0.00019	0.00018	..	..
27.86	..	..	..	..	..	..
32.00	..	..	..	..	..	..
36.76	..	..	..	..	..	..
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 87. DIGS, raw data: Station E5, Mission 99-012

Station	E5	E5	E5	E5	E5	E5
Depth (m)	1	25	50	75	94	
Time GMT	5:21	5:21	5:21	5:21	5:46	
Sampler	niskin	niskin	niskin	niskin	CABLE	Slurp
Total SPM	0.32	0.40	0.20	0.47	1.76	..
Total PPM	0.01407	0.01329	0.01244	0.04191	0.07090	..
Diameter (um)						
0.76	0.00021	0.00034	0.00039	0.00064	0.00129	..
0.87	0.00023	0.00035	0.00039	0.00075	0.00147	..
1.00	0.00027	0.00035	0.00036	0.00085	0.00162	..
1.15	0.00029	0.00033	0.00035	0.00092	0.00173	..
1.32	0.00032	0.00034	0.00035	0.00104	0.00184	..
1.52	0.00037	0.00040	0.00038	0.00118	0.00213	..
1.74	0.00041	0.00046	0.00042	0.00132	0.00243	..
2.00	0.00045	0.00048	0.00046	0.00142	0.00245	..
2.30	0.00051	0.00054	0.00049	0.00160	0.00272	..
2.64	0.00060	0.00057	0.00048	0.00175	0.00291	..
3.03	0.00068	0.00062	0.00062	0.00197	0.00320	..
3.48	0.00068	0.00071	0.00057	0.00215	0.00304	..
4.00	0.00081	0.00061	0.00066	0.00290	0.00442	..
4.59	0.00087	0.00063	0.00059	0.00287	0.00445	..
5.28	0.00085	0.00064	0.00063	0.00282	0.00426	..
6.06	0.00087	0.00064	0.00063	0.00269	0.00432	..
6.96	0.00083	0.00064	0.00061	0.00257	0.00410	..
8.00	0.00082	0.00068	0.00062	0.00233	0.00401	..
9.19	0.00075	0.00058	0.00062	0.00222	0.00395	..
10.56	0.00077	0.00063	0.00058	0.00213	0.00382	..
12.13	0.00081	0.00063	0.00063	0.00167	0.00349	..
13.93	0.00076	0.00057	0.00065	0.00135	0.00269	..
16.00	0.00043	0.00044	0.00034	0.00105	0.00147	..
18.38	0.00029	0.00036	0.00030	0.00084	0.00100	..
21.11	0.00020	0.00030	0.00019	0.00045	0.00124	..
24.25	..	0.00014	0.00014	0.00027	0.00084	..
27.86	..	0.00030	..	0.00017	..	..
32.00	..	..	..	..	..	..
36.76	..	..	..	..	..	..
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 88. DIGS, raw data: Station E6, Mission 99-012

Station	**E6**	**E6**	**E6**	**E6**	**E6**	**E6**
Depth (m)	1	25	50	75	102	
Time GMT	4:07	4:07	4:07	4:07	3:51	
Sampler	niskin	niskin	niskin	niskin	CABLE	Slurp
Total SPM	0.25	0.58	0.25	0.14	0.63	..
Total PPM	0.02763	0.01011	0.01493	0.03927	0.17111	..
Diameter (um)						
0.76	0.00033	0.00024	0.00033	0.00054	0.00213	..
0.87	0.00036	0.00025	0.00035	0.00062	0.00239	..
1.00	0.00036	0.00025	0.00036	0.00064	0.00271	..
1.15	0.00037	0.00026	0.00040	0.00073	0.00306	..
1.32	0.00042	0.00027	0.00044	0.00082	0.00345	..
1.52	0.00044	0.00030	0.00050	0.00092	0.00391	..
1.74	0.00047	0.00033	0.00052	0.00104	0.00425	..
2.00	0.00056	0.00036	0.00057	0.00114	0.00468	..
2.30	0.00066	0.00038	0.00065	0.00128	0.00521	..
2.64	0.00076	0.00045	0.00069	0.00148	0.00596	..
3.03	0.00080	0.00047	0.00065	0.00166	0.00653	..
3.48	0.00095	0.00047	0.00081	0.00195	0.00660	..
4.00	0.00100	0.00054	0.00074	0.00212	0.00953	..
4.59	0.00114	0.00045	0.00073	0.00224	0.01060	..
5.28	0.00125	0.00050	0.00073	0.00228	0.01099	..
6.06	0.00134	0.00052	0.00074	0.00231	0.01124	..
6.96	0.00147	0.00056	0.00074	0.00233	0.01121	..
8.00	0.00147	0.00055	0.00072	0.00242	0.01094	..
9.19	0.00148	0.00056	0.00068	0.00235	0.01105	..
10.56	0.00163	0.00057	0.00068	0.00228	0.01024	..
12.13	0.00157	0.00050	0.00064	0.00225	0.01045	..
13.93	0.00175	0.00047	0.00058	0.00193	0.00950	..
16.00	0.00171	0.00025	0.00054	0.00166	0.00531	..
18.38	0.00154	0.00031	0.00038	0.00114	0.00395	..
21.11	0.00161	0.00017	0.00031	0.00052	0.00338	..
24.25	0.00096	0.00014	0.00025	0.00035	0.00098	..
27.86	0.00076	..	0.00020	0.00028	0.00085	..
32.00	0.00045	..	..	..	..	..
36.76	..	..	..	..	..	..
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Appendiv IV. DIGS plots of samples collected from Mission 99-012.

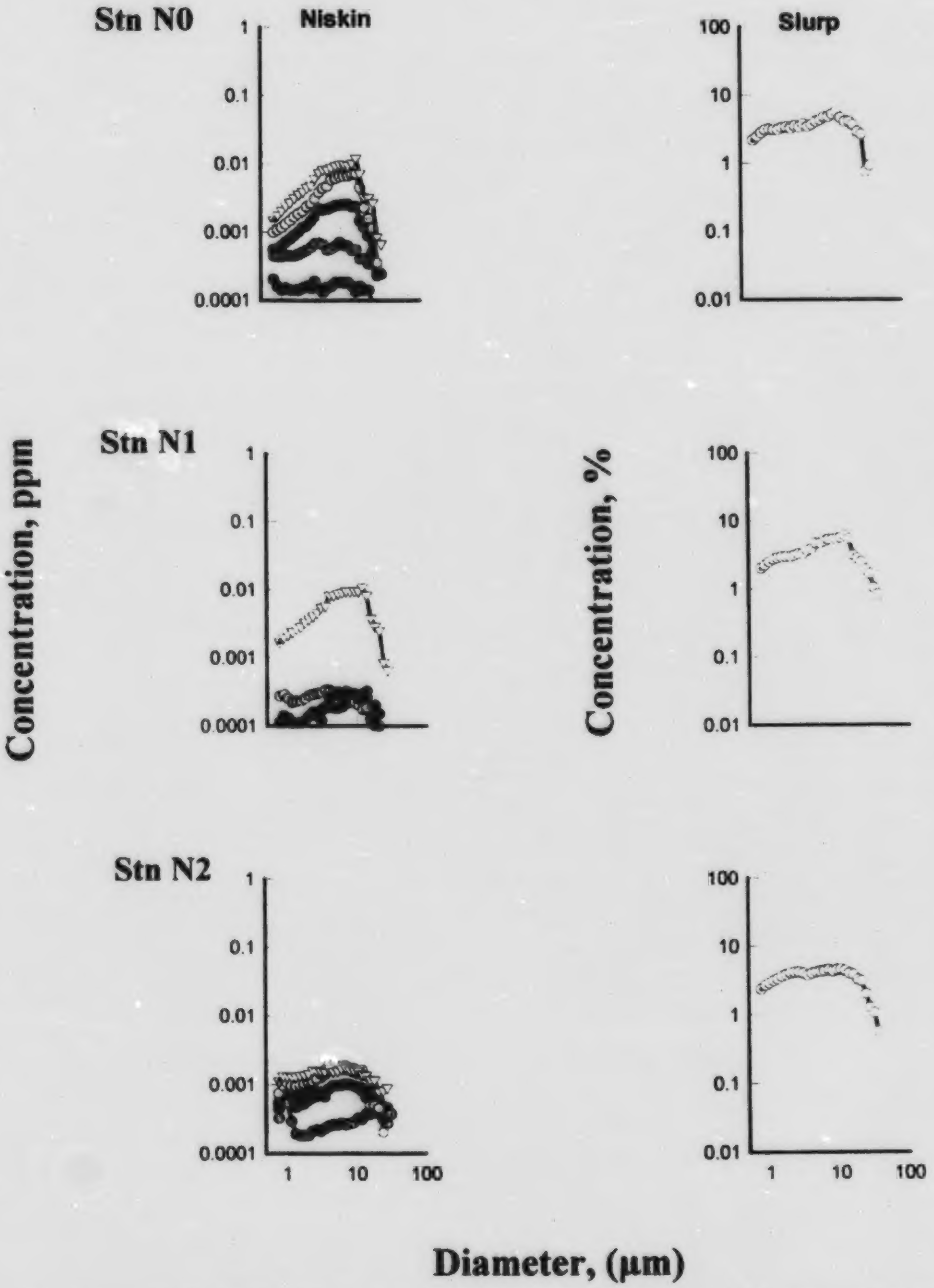

Figure 28. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shade of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles.

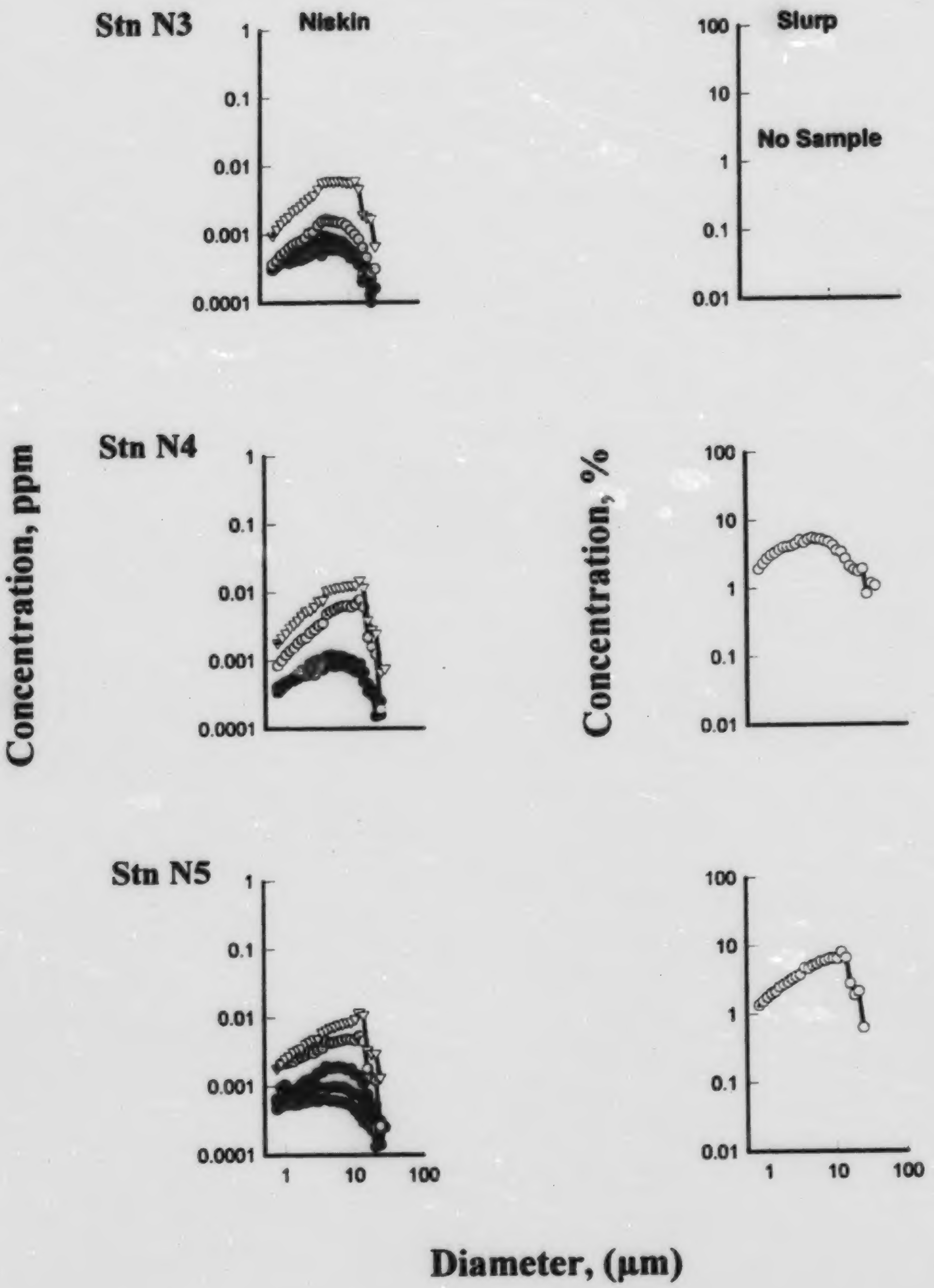

Figure 29. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shade of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles.

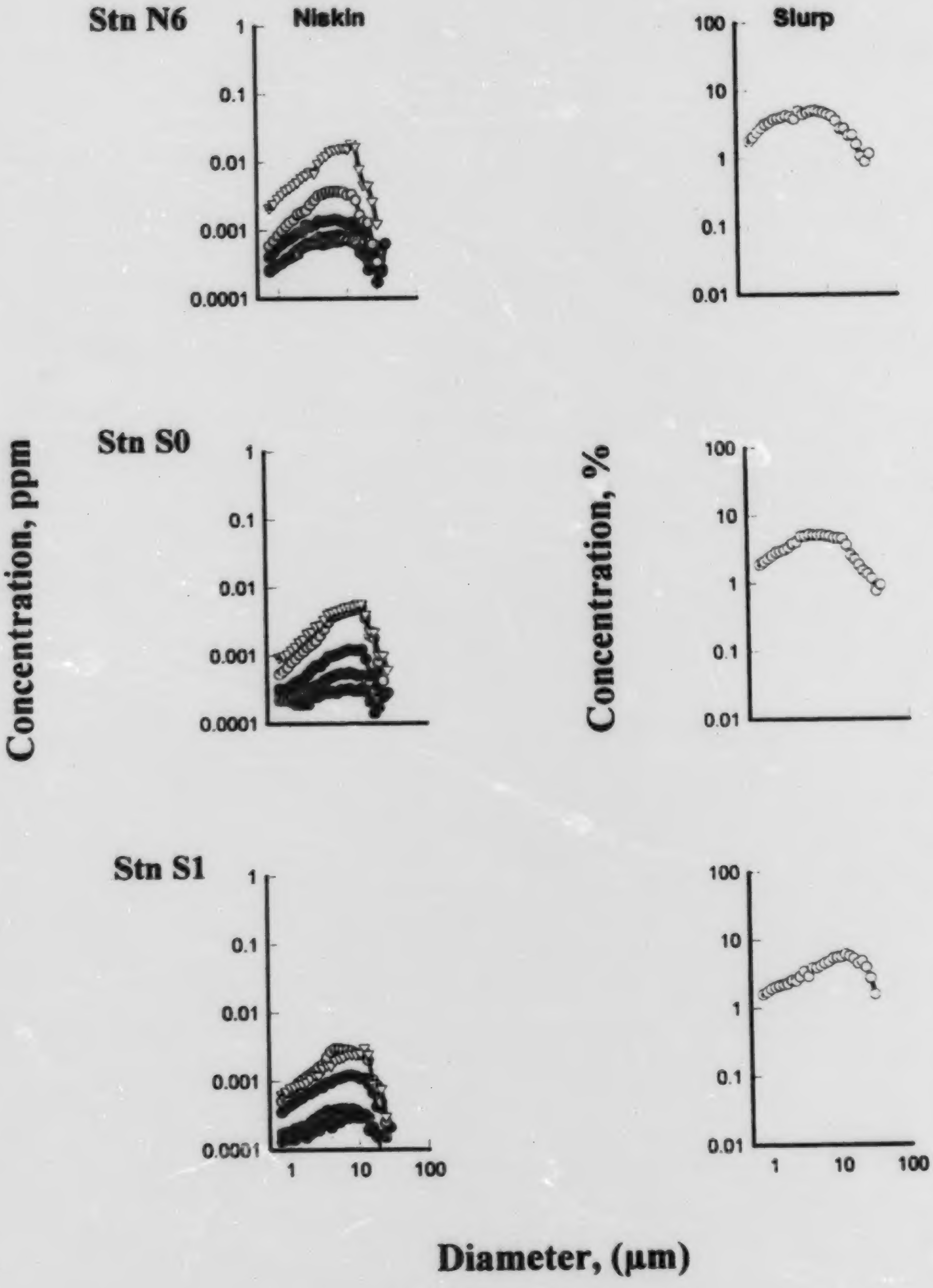

Figure 30. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shade of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles.

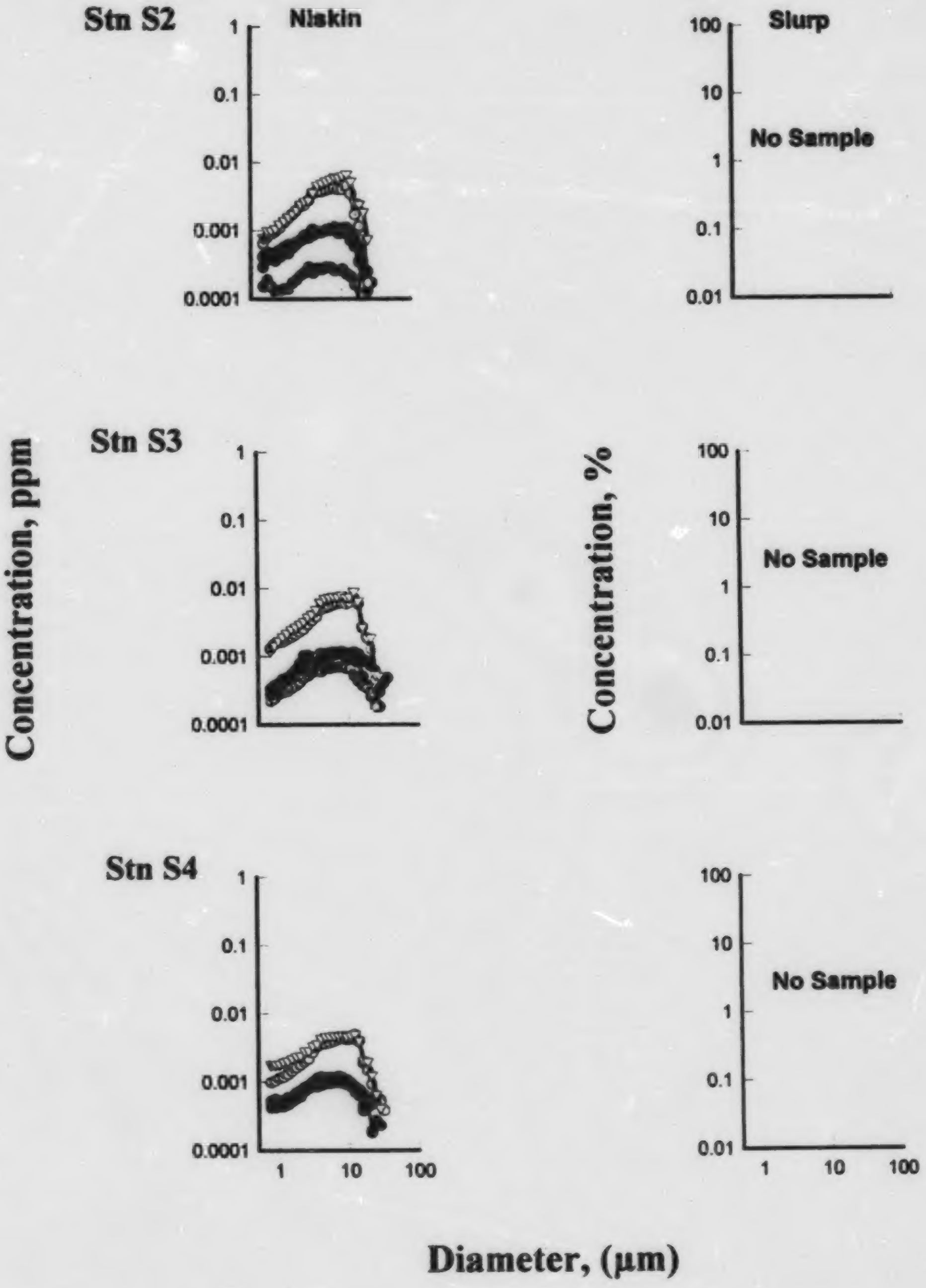

Figure 31. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shade of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles.

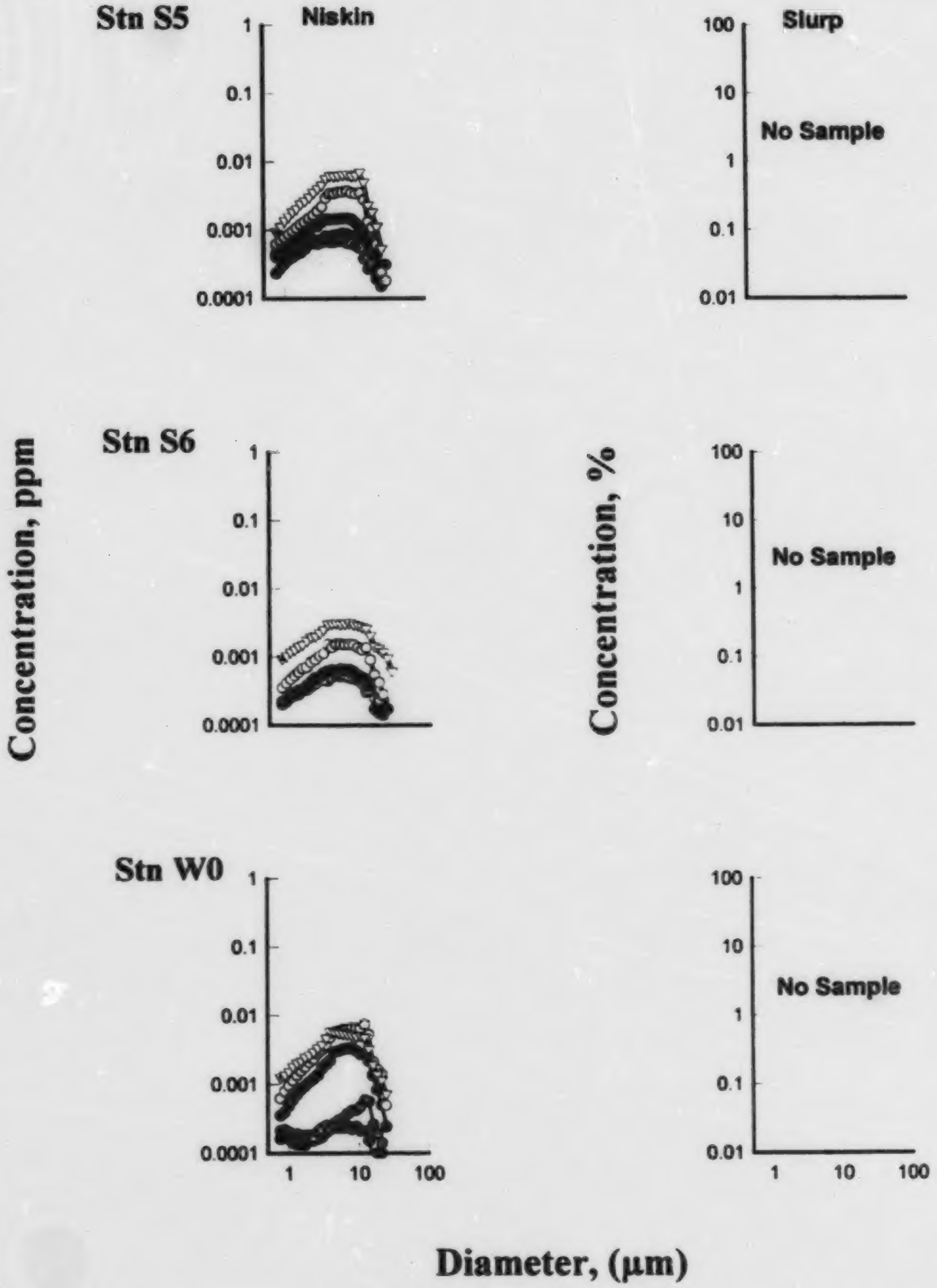

Figure 32. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shade of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles.

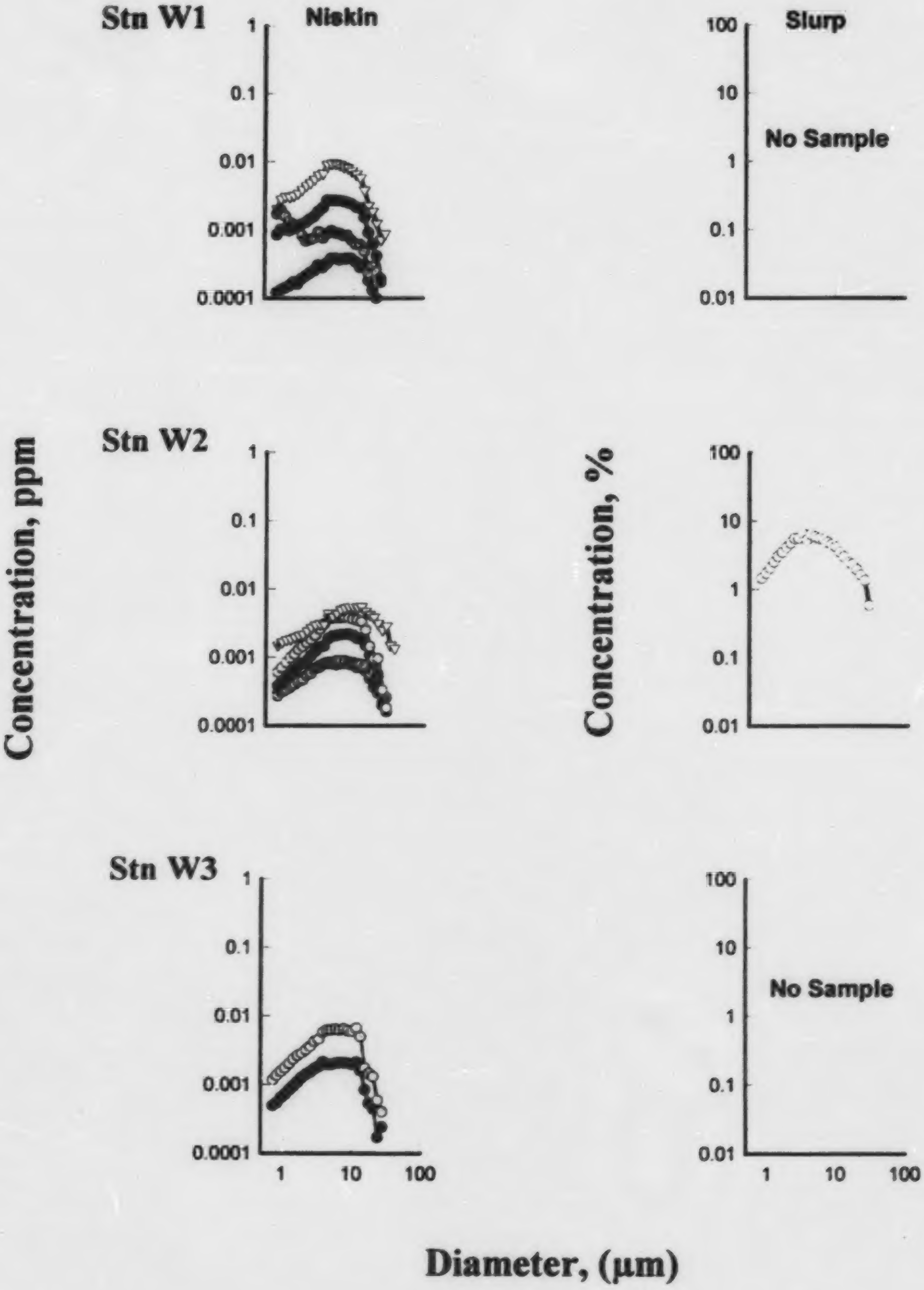

Figure 33. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shade of grey, with the black circles indicating surface bottle and white circles the bottom. The CABLE sample is represented by inverted white triangles.

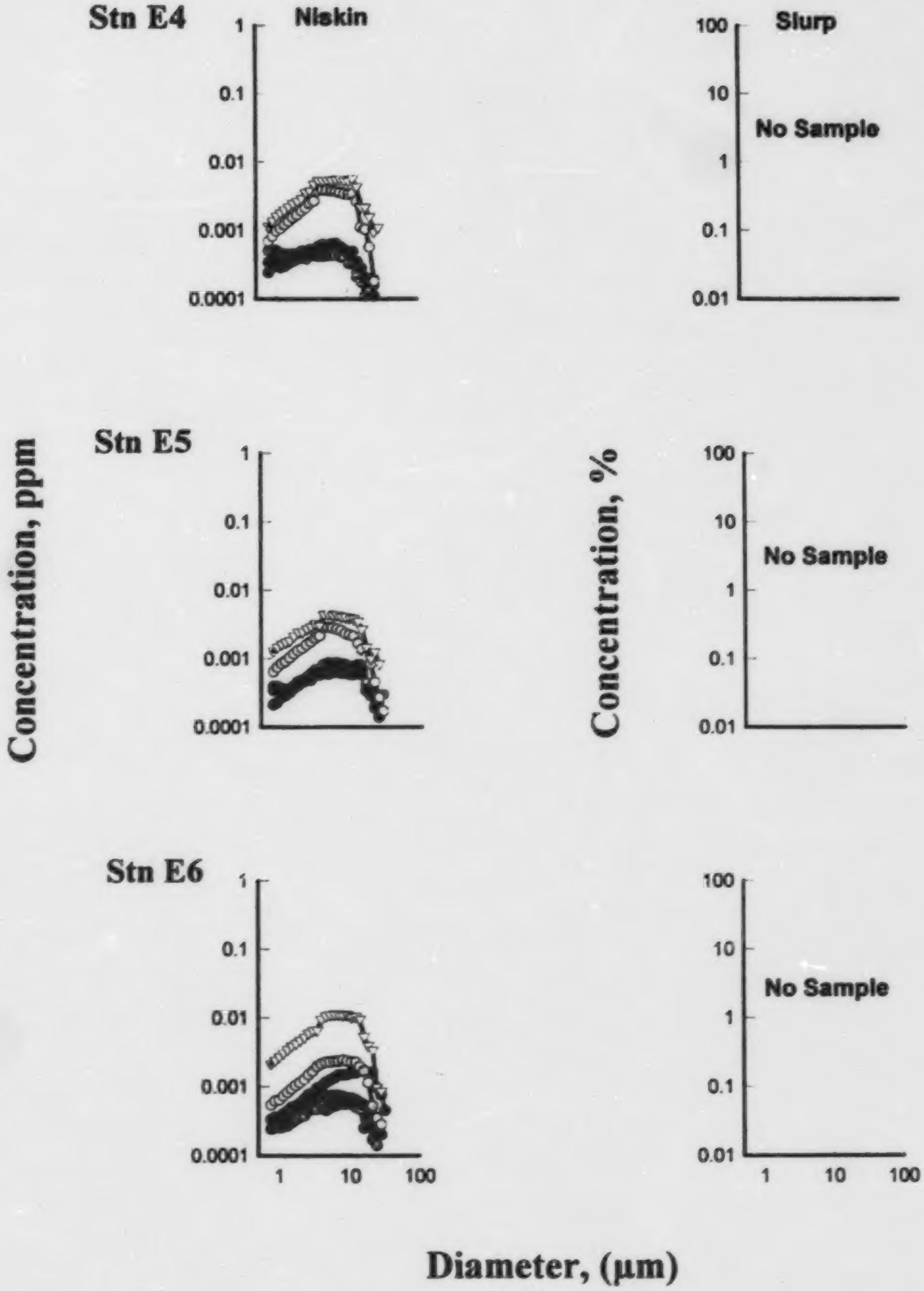

Figure 34. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shade of grey, with the black circles indicating surface bottle and white circles the bottom. The CABLE sample is represented by inverted white triangles.

Appendix V. DIGS, raw data of samples collected from Mission 2000-020

Table 89. DIGS, raw data: Station N0, Mission 2000-020

Station	**N0**	**N0**	**N0**	**N0**	**N0**	**N0**
Depth (m)	1	25		75	84	84
Time GMT	19:29	19:29		19:29	19:50	19:08
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.37	0.67		0.32	0.58	2.17
Total PPM	0.01413	0.00905	..	0.04069	0.04988	100.00
Diameter (um)						
0.76	0.00046	0.00041	..	0.00136	0.00159	2.79
0.87	0.00045	0.00041	..	0.00146	0.00169	2.98
1.00	0.00042	0.00039	..	0.00153	0.00178	3.05
1.15	0.00040	0.00037	..	0.00162	0.00191	3.23
1.32	0.00042	0.00040	..	0.00173	0.00202	3.42
1.52	0.00044	0.00038	..	0.00181	0.00216	3.63
1.74	0.00047	0.00038	..	0.00187	0.00223	3.74
2.00	0.00049	0.00043	..	0.00194	0.00224	3.88
2.30	0.00051	0.00048	..	0.00202	0.00242	4.03
2.64	0.00054	0.00046	..	0.00205	0.00240	3.90
3.03	0.00055	0.00045	..	0.00223	0.00242	3.57
3.48	0.00063	0.00047	..	0.00217	0.00239	3.85
4.00	0.00057	0.00049	..	0.00208	0.00253	3.48
4.59	0.00057	0.00048	..	0.00222	0.00251	3.52
5.28	0.00057	0.00046	..	0.00207	0.00256	3.54
6.06	0.00057	0.00043	..	0.00194	0.00250	3.58
6.96	0.00057	0.00039	..	0.00188	0.00244	3.55
8.00	0.00055	0.00032	..	0.00170	0.00220	3.49
9.19	0.00052	0.00026	..	0.00151	0.00195	3.41
10.56	0.00044	0.00022	..	0.00136	0.00173	3.11
12.13	0.00038	0.00020	..	0.00111	0.00136	3.05
13.93	0.00033	0.00012	..	0.00092	0.00107	2.85
16.00	0.00038	0.00012	..	0.00066	0.00070	3.04
18.38	0.00042	0.00013	..	0.00054	0.00073	3.42
21.11	0.00031	0.00008	..	0.00031	0.00038	3.05
24.25	0.00039	0.00017	..	0.00035	0.00051	3.59
27.86	0.00057	0.00016	..	0.00022	0.00047	3.56
32.00	0.00052	..	..	..	0.00052	1.70
36.76	0.00055	..	..	..	0.00048	2.01
42.22	0.00015	..	..	..	..	2.12
48.50	..	..	..	..	..	1.83
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 90. DIGS, raw data: Station N1, Mission 2000-020

Station	**N1**	**N1**	**N1**	**N1**	**N1**	**N1**
Depth (m)		25	50	75	84	84
Time GMT		20:49	20:49	20:49	20:34	20:13
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM		0.36	1.09	0.49	0.38	26.66
Total PPM	..	0.00447	0.01694	0.04434	0.03891	100.00
Diameter (um)						
0.76	..	0.00014	0.00056	0.00111	0.00142	2.65
0.87	..	0.00014	0.00058	0.00123	0.00147	2.61
1.00	..	0.00016	0.00065	0.00142	0.00152	2.59
1.15	..	0.00017	0.00069	0.00161	0.00161	2.62
1.32	..	0.00017	0.00073	0.00174	0.00172	2.72
1.52	..	0.00017	0.00074	0.00193	0.00178	2.75
1.74	..	0.00017	0.00082	0.00204	0.00183	2.96
2.00	..	0.00019	0.00076	0.00214	0.00192	3.15
2.30	..	0.00021	0.00084	0.00218	0.00194	3.30
2.64	..	0.00021	0.00088	0.00240	0.00211	3.67
3.03	..	0.00024	0.00094	0.00219	0.00200	3.65
3.48	..	0.00031	0.00080	0.00248	0.00203	3.68
4.00	..	0.00021	0.00076	0.00241	0.00196	3.86
4.59	..	0.00023	0.00074	0.00245	0.00206	4.06
5.28	..	0.00023	0.00069	0.00232	0.00187	3.91
6.06	..	0.00026	0.00067	0.00216	0.00174	4.00
6.96	..	0.00025	0.00065	0.00203	0.00163	4.11
8.00	..	0.00022	0.00061	0.00189	0.00145	4.25
9.19	..	0.00019	0.00062	0.00169	0.00127	4.28
10.56	..	0.00016	0.00061	0.00150	0.00111	4.12
12.13	..	0.00016	0.00052	0.00128	0.00091	3.99
13.93	..	0.00016	0.00047	0.00102	0.00076	4.02
16.00	..	0.00010	0.00042	0.00084	0.00072	3.51
18.38	..	0.00003	0.00031	0.00068	0.00051	3.53
21.11	..	..	0.00027	0.00064	0.00046	2.77
24.25	..	..	0.00034	0.00034	0.00049	3.24
27.86	..	..	0.00025	0.00035	0.00043	2.35
32.00	..	..	..	0.00031	0.00020	2.42
36.76	..	..	..	..	..	2.17
42.22	..	..	..	..	..	1.94
48.50	..	..	..	..	..	1.12
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 91. DIGS, raw data: Station N2, Mission 2000-020

Station	**N2**	**N2**	**N2**	**N2**	**N2**	**N2**
Depth (m)	1	25	50	75	78	78
Time GMT	7:39	7:39	7:39	7:39	6:58	8:02
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.31	1.01	0.97	0.63	0.52	2.77
Total PPM	0.00667	0.00432	0.01221	0.03044	0.03898	100.00
Diameter (um)						
0.76	0.00022	0.00026	0.00053	0.00091	0.00098	1.91
0.87	0.00020	0.00026	0.00057	0.00098	0.00108	2.09
1.00	0.00018	0.00027	0.00060	0.00114	0.00121	2.32
1.15	0.00017	0.00023	0.00062	0.00124	0.00132	2.49
1.32	0.00018	0.00021	0.00066	0.00136	0.00151	2.67
1.52	0.00017	0.00021	0.00070	0.00146	0.00163	2.81
1.74	0.00020	0.00019	0.00067	0.00157	0.00173	2.97
2.00	0.00021	0.00020	0.00069	0.00164	0.00183	3.04
2.30	0.00020	0.00016	0.00068	0.00178	0.00195	3.16
2.64	0.00023	0.00019	0.00073	0.00183	0.00197	3.12
3.03	0.00026	0.00011	0.00060	0.00186	0.00199	3.17
3.48	0.00023	0.00022	0.00074	0.00182	0.00227	3.23
4.00	0.00026	0.00019	0.00060	0.00180	0.00214	3.41
4.59	0.00024	0.00018	0.00054	0.00164	0.00219	3.20
5.28	0.00023	0.00017	0.00050	0.00149	0.00207	3.48
6.06	0.00021	0.00016	0.00047	0.00135	0.00198	3.80
6.96	0.00020	0.00014	0.00040	0.00123	0.00183	4.20
8.00	0.00018	0.00015	0.00036	0.00108	0.00170	4.39
9.19	0.00019	0.00013	0.00033	0.00096	0.00147	4.50
10.56	0.00015	0.00014	0.00029	0.00087	0.00128	4.66
12.13	0.00016	0.00012	0.00024	0.00072	0.00113	4.54
13.93	0.00020	0.00012	0.00023	0.00055	0.00095	4.37
16.00	0.00020	0.00011	0.00013	0.00049	0.00067	3.92
18.38	0.00024	0.00007	0.00009	0.00037	0.00050	3.85
21.11	0.00022	0.00010	0.00014	0.00012	0.00047	3.28
24.25	0.00034	..	0.00010	0.00017	0.00028	2.76
27.86	0.00032	..	..	..	0.00035	2.58
32.00	0.00038	..	..	..	0.00050	2.16
36.76	0.00026	..	..	..	..	2.55
42.22	0.00022	..	..	..	..	2.20
48.50	..	..	..	..	..	1.52
55.72	..	..	..	..	..	1.65
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 92. DIGS, raw data: Station N3, Mission 2000-020

Station	N3	N3	N3	N3	N3	N3
Depth (m)	1	25	50	75	77	77
Time GMT	9:09	9:09	9:09	9:09	8:48	8:27
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.31	0.59	0.93	0.32	0.68	2.49
Total PPM	0.00797	0.00983	0.01586	0.02848	0.03288	100.00
Diameter (um)						
0.76	0.00017	0.00030	0.00045	0.00059	0.00084	1.75
0.87	0.00020	0.00034	0.00051	0.00069	0.00097	2.02
1.00	0.00021	0.00036	0.00059	0.00081	0.00108	2.33
1.15	0.00021	0.00038	0.00065	0.00091	0.00121	2.65
1.32	0.00022	0.00039	0.00071	0.00104	0.00134	2.86
1.52	0.00024	0.00042	0.00075	0.00117	0.00146	3.10
1.74	0.00026	0.00045	0.00080	0.00122	0.00148	3.36
2.00	0.00028	0.00045	0.00084	0.00141	0.00156	3.44
2.30	0.00033	0.00047	0.00089	0.00145	0.00162	3.54
2.64	0.00029	0.00047	0.00082	0.00155	0.00168	3.74
3.03	0.00040	0.00051	0.00097	0.00175	0.00165	3.77
3.48	0.00037	0.00056	0.00094	0.00181	0.00180	3.97
4.00	0.00029	0.00041	0.00085	0.00161	0.00170	4.20
4.59	0.00036	0.00038	0.00091	0.00157	0.00159	4.17
5.28	0.00045	0.00048	0.00072	0.00153	0.00159	4.34
6.06	0.00048	0.00046	0.00069	0.00149	0.00158	4.53
6.96	0.00050	0.00046	0.00062	0.00138	0.00154	4.72
8.00	0.00046	0.00044	0.00054	0.00133	0.00149	4.66
9.19	0.00042	0.00041	0.00049	0.00117	0.00143	4.79
10.56	0.00041	0.00038	0.00041	0.00101	0.00119	4.54
12.13	0.00036	0.00038	0.00032	0.00077	0.00103	4.33
13.93	0.00031	0.00033	0.00034	0.00059	0.00083	3.86
16.00	0.00023	0.00021	0.00021	0.00051	0.00051	3.65
18.38	0.00023	0.00023	0.00021	0.00030	0.00063	3.33
21.11	0.00012	0.00015	0.00012	0.00031	0.00025	2.86
24.25	0.00017	..	0.00020	0.00031	0.00051	2.55
27.86	..	..	0.00032	0.00019	0.00031	1.89
32.00	..	..	..	..	..	1.51
36.76	..	..	..	..	..	1.27
42.22	..	..	..	..	..	1.27
48.50	..	..	..	..	..	1.00
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 93. DIGS, raw data: Station N4, Mission 2000-020

Station	N4	N4	N4	N4	N4	N4
Depth (m)	1	25	50	75	84	
Time GMT	22:14	22:14	22:14	22:14	22:28	
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.32	0.66	0.39	0.46	0.75	
Total PPM	0.01186	0.01857	0.00372	0.01525	0.03576	..
Diameter (um)						
0.76	0.00021	0.00037	0.00014	0.00036	0.00068	..
0.87	0.00022	0.00039	0.00014	0.00040	0.00079	..
1.00	0.00023	0.00042	0.00013	0.00043	0.00093	..
1.15	0.00025	0.00043	0.00013	0.00047	0.00103	..
1.32	0.00026	0.00042	0.00015	0.00052	0.00119	..
1.52	0.00028	0.00045	0.00015	0.00057	0.00132	..
1.74	0.00030	0.00047	0.00016	0.00059	0.00147	..
2.00	0.00031	0.00048	0.00018	0.00065	0.00161	..
2.30	0.00039	0.00051	0.00019	0.00072	0.00176	..
2.64	0.00038	0.00060	0.00020	0.00081	0.00181	..
3.03	0.00036	0.00060	0.00018	0.00084	0.00190	..
3.48	0.00040	0.00073	0.00024	0.00083	0.00200	..
4.00	0.00047	0.00070	0.00024	0.00078	0.00196	..
4.59	0.00048	0.00082	0.00017	0.00085	0.00185	..
5.28	0.00056	0.00088	0.00018	0.00089	0.00190	..
6.06	0.00065	0.00097	0.00017	0.00087	0.00181	..
6.96	0.00066	0.00099	0.00017	0.00085	0.00176	..
8.00	0.00069	0.00099	0.00018	0.00079	0.00170	..
9.19	0.00078	0.00098	0.00016	0.00075	0.00151	..
10.56	0.00069	0.00087	0.00012	0.00062	0.00139	..
12.13	0.00067	0.00091	0.00013	0.00055	0.00112	..
13.93	0.00055	0.00095	0.00008	0.00039	0.00092	..
16.00	0.00058	0.00082	0.00007	0.00036	0.00075	..
18.38	0.00058	0.00079	0.00006	0.00024	0.00074	..
21.11	0.00055	0.00077	..	0.00013	0.00056	..
24.25	0.00035	0.00056	..	..	0.00050	..
27.86	..	0.00029	..	..	0.00029	..
32.00	..	0.00040	..	..	0.00044	..
36.76	..	..	..	..	..	..
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 94. DIGS, raw data: Station N5, Mission 2000-020

Station	**N5**	**N5**	**N5**	**N5**	**N5**	**N5**
Depth (m)	1	25	50	75	88	88
Time GMT	23:47	23:47	23:47	23:47	23:32	23:07
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.47	0.49	0.37	0.40	3.54	19.21
Total PPM	0.00958	0.00555	0.02130	0.02966	0.01945	100.00
Diameter (um)						
0.76	0.00028	0.00019	0.00072	0.00059	0.00083	1.87
0.87	0.00026	0.00015	0.00074	0.00061	0.00076	2.08
1.00	0.00026	0.00013	0.00081	0.00071	0.00078	2.40
1.15	0.00027	0.00012	0.00086	0.00079	0.00083	2.61
1.32	0.00029	0.00015	0.00093	0.00094	0.00096	2.82
1.52	0.00030	0.00015	0.00098	0.00106	0.00095	3.02
1.74	0.00030	0.00017	0.00099	0.00112	0.00109	3.17
2.00	0.00030	0.00016	0.00102	0.00124	0.00106	3.34
2.30	0.00033	0.00019	0.00107	0.00138	0.00109	3.67
2.64	0.00038	0.00018	0.00104	0.00136	0.00110	3.51
3.03	0.00036	0.00018	0.00108	0.00150	0.00109	3.67
3.48	0.00038	0.00024	0.00101	0.00163	0.00110	3.70
4.00	0.00047	0.00026	0.00096	0.00162	0.00129	3.99
4.59	0.00048	0.00020	0.00082	0.00169	0.00096	4.23
5.28	0.00056	0.00026	0.00083	0.00173	0.00093	4.41
6.06	0.00062	0.00030	0.00089	0.00173	0.00084	4.64
6.96	0.00064	0.00029	0.00086	0.00166	0.00080	4.77
8.00	0.00063	0.00032	0.00090	0.00160	0.00066	4.73
9.19	0.00062	0.00031	0.00074	0.00145	0.00057	4.80
10.56	0.00049	0.00026	0.00072	0.00137	0.00050	4.63
12.13	0.00034	0.00026	0.00059	0.00117	0.00029	4.33
13.93	0.00031	0.00029	0.00051	0.00099	0.00031	4.28
16.00	0.00021	0.00021	0.00056	0.00077	0.00044	3.90
18.38	0.00018	0.00019	0.00054	0.00044	0.00022	3.43
21.11	0.00019	0.00024	0.00050	0.00030	..	2.96
24.25	0.00013	0.00016	0.00038	0.00018	..	2.61
27.86	..	..	0.00023	..	..	2.44
32.00	..	..	..	..	..	1.94
36.76	..	..	..	..	..	1.42
42.22	..	..	..	..	..	0.64
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 95. DIGS, raw data: Station 31, Mission 2000-020

Station	**N6**	**N6**	**N6**	**N6**	**N6**	**N6**
Depth (m)	1	25	50	75	91	91
Time GMT	1:42	1:42	1:42	1:42	1:01	1:28
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.23	0.49	1.07	0.30	0.36	2.21
Total PPM	0.00322	0.00621	0.00852	0.03753	0.06911	100.00
Diameter (um)						
0.76	0.00009	0.00036	0.00037	0.00102	0.00173	2.34
0.87	0.00011	0.00043	0.00037	0.00113	0.00192	2.66
1.00	0.00012	0.00046	0.00037	0.00125	0.00212	2.99
1.15	0.00013	0.00040	0.00036	0.00137	0.00233	3.30
1.32	0.00012	0.00033	0.00037	0.00146	0.00257	3.50
1.52	0.00013	0.00030	0.00037	0.00160	0.00283	3.78
1.74	0.00013	0.00030	0.00038	0.00171	0.00296	4.04
2.00	0.00014	0.00031	0.00041	0.00180	0.00308	4.01
2.30	0.00013	0.00031	0.00038	0.00192	0.00340	4.00
2.64	0.00015	0.00030	0.00037	0.00190	0.00353	4.36
3.03	0.00013	0.00026	0.00039	0.00193	0.00346	4.01
3.48	0.00014	0.00025	0.00035	0.00189	0.00336	3.66
4.00	0.00015	0.00026	0.00039	0.00203	0.00403	4.14
4.59	0.00016	0.00027	0.00037	0.00209	0.00316	4.23
5.28	0.00017	0.00024	0.00035	0.00197	0.00299	4.30
6.06	0.00015	0.00024	0.00035	0.00189	0.00283	4.43
6.96	0.00015	0.00021	0.00032	0.00181	0.00267	4.61
8.00	0.00015	0.00020	0.00029	0.00163	0.00253	4.57
9.19	0.00014	0.00019	0.00025	0.00153	0.00237	4.45
10.56	0.00012	0.00019	0.00027	0.00134	0.00209	4.46
12.13	0.00014	0.00014	0.00016	0.00116	0.00180	3.98
13.93	0.00011	0.00009	0.00020	0.00099	0.00158	3.70
16.00	0.00009	0.00013	0.00020	0.00067	0.00142	3.55
18.38	0.00016	0.00006	0.00016	0.00052	0.00137	2.97
21.11	..	..	0.00013	0.00042	0.00093	2.32
24.25	..	..	0.00034	0.00030	0.00116	1.82
27.86	..	..	0.00024	0.00020	0.00091	1.66
32.00	..	..	..	..	0.00171	1.43
36.76	..	..	..	..	0.00127	0.73
42.22	..	..	..	..	0.00098	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 96. DIGS, raw data: Station S0, Mission 2000-020

Station	S0	S0	S0	S0	S0	S0
Depth (m)	1	25	50	75	84	
Time GMT	17:12	17:12	17:12	17:12	17:34	
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.54	0.11	0.56	0.18	0.63	
Total PPM	0.01406	0.01159	0.02147	0.01392	0.02536	..
Diameter (um)						
0.76	0.00075	0.00060	0.00108	0.00065	0.00130	..
0.87	0.00070	0.00060	0.00113	0.00066	0.00121	..
1.00	0.00066	0.00053	0.00112	0.00067	0.00118	..
1.15	0.00060	0.00052	0.00113	0.00066	0.00112	..
1.32	0.00060	0.00052	0.00115	0.00064	0.00115	..
1.52	0.00058	0.00053	0.00118	0.00068	0.00114	..
1.74	0.00058	0.00055	0.00116	0.00072	0.00120	..
2.00	0.00057	0.00054	0.00119	0.00069	0.00117	..
2.30	0.00058	0.00063	0.00116	0.00073	0.00122	..
2.64	0.00064	0.00066	0.00115	0.00075	0.00118	..
3.03	0.00064	0.00064	0.00117	0.00063	0.00128	..
3.48	0.00049	0.00068	0.00112	0.00079	0.00116	..
4.00	0.00060	0.00064	0.00089	0.00068	0.00109	..
4.59	0.00063	0.00058	0.00099	0.00045	0.00109	..
5.28	0.00066	0.00056	0.00094	0.00069	0.00104	..
6.06	0.00071	0.00053	0.00086	0.00065	0.00091	..
6.96	0.00071	0.00047	0.00079	0.00058	0.00087	..
8.00	0.00073	0.00041	0.00066	0.00051	0.00075	..
9.19	0.00070	0.00035	0.00059	0.00044	0.00074	..
10.56	0.00059	0.00028	0.00049	0.00036	0.00076	..
12.13	0.00042	0.00021	0.00044	0.00031	0.00060	..
13.93	0.00039	0.00015	0.00033	0.00028	0.00066	..
16.00	0.00025	0.00017	0.00029	0.00017	0.00039	..
18.38	0.00019	0.00015	0.00018	0.00024	0.00044	..
21.11	0.00009	0.00008	0.00017	0.00017	0.00050	..
24.25	..	..	0.00009	0.00013	0.00087	..
27.86	..	..	..	..	0.00035	..
32.00	..	..	..	..	..	..
36.76	..	..	..	..	..	..
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 97. DIGS, raw data: Station S1, Mission 2000-020

Station	S1	S1	S1	S1	S1	S1
Depth (m)	1	25	50	75	82	82
Time GMT	18:32	18:32	18:32	18:32	18:16	17:56
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.33	0.28	0.48	0.48	1.41	62.89
Total PPM	0.01081	0.01223	0.00633	0.02875	0.07514	100.00
Diameter (um)						
0.76	0.00030	0.00041	0.00020	0.00107	0.00187	3.99
0.87	0.00033	0.00043	0.00023	0.00113	0.00208	3.80
1.00	0.00037	0.00046	0.00026	0.00121	0.00232	3.67
1.15	0.00038	0.00047	0.00027	0.00129	0.00250	3.61
1.32	0.00038	0.00046	0.00028	0.00132	0.00268	3.54
1.52	0.00038	0.00045	0.00029	0.00138	0.00276	3.61
1.74	0.00041	0.00049	0.00028	0.00135	0.00281	3.67
2.00	0.00040	0.00052	0.00031	0.00141	0.00299	3.67
2.30	0.00044	0.00054	0.00032	0.00137	0.00306	3.77
2.64	0.00051	0.00058	0.00027	0.00146	0.00321	3.78
3.03	0.00041	0.00059	0.00032	0.00147	0.00323	3.93
3.48	0.00048	0.00051	0.00032	0.00137	0.00310	4.50
4.00	0.00048	0.00074	0.00037	0.00148	0.00382	4.17
4.59	0.00051	0.00048	0.00036	0.00131	0.00327	4.09
5.28	0.00053	0.00059	0.00034	0.00126	0.00345	4.02
6.06	0.00056	0.00060	0.00033	0.00125	0.00387	4.20
6.96	0.00056	0.00063	0.00030	0.00112	0.00404	4.17
8.00	0.00064	0.00058	0.00026	0.00100	0.00435	4.27
9.19	0.00059	0.00056	0.00023	0.00087	0.00435	4.17
10.56	0.00053	0.00050	0.00017	0.00068	0.00413	4.13
12.13	0.00045	0.00042	0.00014	0.00061	0.00358	3.51
13.93	0.00036	0.00031	0.00015	0.00055	0.00263	3.48
16.00	0.00030	0.00028	0.00011	0.00050	0.00196	2.98
18.38	0.00019	0.00020	0.00011	0.00059	0.00123	2.46
21.11	0.00014	0.00012	0.00012	0.00054	0.00065	2.06
24.25	0.00017	0.00012	..	0.00032	0.00056	1.86
27.86	..	..	..	0.00041	0.00064	1.41
32.00	..	..	..	0.00042	..	1.06
36.76	..	..	..	..	..	1.33
42.22	..	..	..	..	..	1.09
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 98. DIGS, raw data: Station S2, Mission 2000-020

Station	**S2**	**S2**	**S2**	**S2**	**S2**	**S2**
Depth (m)	1	25	50	75	81	81
Time GMT	10:44	10:44	10:44	10:44	11:00	10:22
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.40	1.00	0.02	0.46	0.38	1.49
Total PPM	0.01017	0.00973	0.00980	0.03587	0.01477	100.00
Diameter (um)						
0.76	0.00062	0.00037	0.00037	0.00095	0.00049	3.15
0.87	0.00066	0.00036	0.00036	0.00104	0.00051	3.26
1.00	0.00088	0.00038	0.00038	0.00119	0.00054	3.57
1.15	0.00095	0.00038	0.00038	0.00131	0.00057	3.77
1.32	0.00075	0.00041	0.00040	0.00148	0.00057	3.91
1.52	0.00056	0.00041	0.00041	0.00156	0.00060	3.99
1.74	0.00052	0.00043	0.00043	0.00167	0.00062	4.03
2.00	0.00050	0.00046	0.00046	0.00174	0.00065	3.90
2.30	0.00047	0.00048	0.00047	0.00178	0.00074	3.65
2.64	0.00053	0.00048	0.00052	0.00187	0.00069	3.72
3.03	0.00055	0.00050	0.00043	0.00193	0.00069	3.49
3.48	0.00045	0.00041	0.00053	0.00196	0.00078	3.57
4.00	0.00035	0.00050	0.00042	0.00180	0.00071	3.71
4.59	0.00027	0.00049	0.00040	0.00212	0.00068	3.47
5.28	0.00024	0.00048	0.00038	0.00195	0.00065	3.49
6.06	0.00023	0.00048	0.00036	0.00180	0.00062	3.53
6.96	0.00021	0.00046	0.00034	0.00172	0.00058	3.49
8.00	0.00020	0.00042	0.00032	0.00150	0.00055	3.58
9.19	0.00017	0.00038	0.00031	0.00136	0.00051	3.68
10.56	0.00017	0.00031	0.00026	0.00117	0.00049	3.45
12.13	0.00015	0.00025	0.00024	0.00097	0.00039	3.69
13.93	0.00017	0.00031	0.00025	0.00079	0.00037	3.73
16.00	0.00018	0.00020	0.00022	0.00053	0.00031	3.66
18.38	0.00020	0.00015	0.00011	0.00052	0.00021	3.16
21.11	0.00016	0.00012	0.00015	0.00044	0.00020	3.20
24.25	..	0.00013	0.00017	0.00045	0.00025	2.77
27.86	..	..	0.00022	0.00025	0.00036	2.62
32.00	..	..	0.00030	..	0.00042	1.44
36.76	..	..	0.00021	..	..	1.65
42.22	..	..	..	..	..	1.68
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 99. DIGS, raw data: Station S3, Mission 2000-020

Station	S3	S3	S3	S3	S3	S3
Depth (m)	1	25	50	75	82	82
Time GMT	9:49	9:49	9:49	9:49	9:33	9:05
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.26	0.39	0.68	0.32	0.33	1.25
Total PPM	0.00892	0.00825	0.00519	0.03438	0.04254	100.00
Diameter (um)						
0.76	0.00032	0.00028	0.00020	0.00081	0.00115	2.02
0.87	0.00033	0.00028	0.00019	0.00093	0.00129	2.29
1.00	0.00034	0.00027	0.00019	0.00106	0.00145	2.56
1.15	0.00034	0.00028	0.00020	0.00119	0.00166	2.82
1.32	0.00038	0.00030	0.00021	0.00136	0.00181	3.09
1.52	0.00040	0.00031	0.00022	0.00150	0.00202	3.22
1.74	0.00041	0.00033	0.00023	0.00159	0.00215	3.48
2.00	0.00045	0.00036	0.00026	0.00167	0.00233	3.59
2.30	0.00047	0.00035	0.00026	0.00169	0.00243	3.64
2.64	0.00048	0.00039	0.00028	0.00171	0.00241	3.82
3.03	0.00053	0.00038	0.00025	0.00177	0.00237	3.97
3.48	0.00054	0.00043	0.00027	0.00175	0.00249	3.86
4.00	0.00060	0.00038	0.00032	0.00227	0.00239	4.32
4.59	0.00046	0.00042	0.00023	0.00171	0.00216	4.25
5.28	0.00040	0.00043	0.00023	0.00167	0.00207	4.57
6.06	0.00037	0.00043	0.00023	0.00168	0.00203	4.81
6.96	0.00033	0.00043	0.00023	0.00160	0.00188	4.93
8.00	0.00032	0.00040	0.00021	0.00149	0.00171	4.90
9.19	0.00026	0.00038	0.00021	0.00133	0.00148	4.79
10.56	0.00024	0.00026	0.00021	0.00126	0.00133	4.44
12.13	0.00019	0.00027	0.00012	0.00104	0.00118	4.12
13.93	0.00020	0.00026	0.00015	0.00084	0.00087	3.82
16.00	0.00024	0.00021	0.00014	0.00073	0.00053	3.41
18.38	0.00014	0.00020	0.00009	0.00055	0.00044	2.94
21.11	0.00019	0.00024	0.00008	0.00058	0.00059	2.81
24.25	..	..	..	0.00032	0.00032	2.04
27.86	..	..	..	0.00027	..	2.17
32.00	..	..	..	..	..	1.60
36.76	..	..	..	..	..	1.20
42.22	..	..	..	..	..	0.55
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 100. DIGS, raw data: Station S4, Mission 2000-020

Station	**S4**	**S4**	**S4**	**S4**	**S4**	**S4**
Depth (m)	1	25	50	75	77	77
Time GMT	7:54	7:54	7:54	7:54	8:22	7:30
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.21	0.20	0.35	0.22	0.42	7.82
Total PPM	0.00389	0.00322	0.00658	0.00555	0.00764	100.00
Diameter (um)						
0.76	0.00006	0.00006	0.00031	0.00017	0.00015	1.85
0.87	0.00006	0.00008	0.00035	0.00019	0.00017	2.10
1.00	0.00008	0.00008	0.00032	0.00020	0.00019	2.40
1.15	0.00009	0.00009	0.00028	0.00021	0.00022	2.75
1.32	0.00011	0.00010	0.00025	0.00022	0.00024	3.05
1.52	0.00011	0.00011	0.00025	0.00022	0.00026	3.31
1.74	0.00012	0.00012	0.00025	0.00024	0.00027	3.62
2.00	0.00015	0.00015	0.00029	0.00024	0.00031	3.88
2.30	0.00017	0.00016	0.00028	0.00026	0.00032	4.10
2.64	0.00023	0.00015	0.00026	0.00027	0.00034	4.32
3.03	0.00020	0.00016	0.00028	0.00029	0.00035	4.36
3.48	0.00017	0.00021	0.00027	0.00028	0.00039	4.70
4.00	0.00018	0.00017	0.00028	0.00030	0.00036	4.34
4.59	0.00018	0.00020	0.00030	0.00030	0.00037	5.24
5.28	0.00019	0.00019	0.00031	0.00029	0.00036	5.38
6.06	0.00019	0.00017	0.00029	0.00027	0.00033	5.43
6.96	0.00019	0.00016	0.00028	0.00026	0.00034	5.56
8.00	0.00019	0.00014	0.00031	0.00023	0.00034	5.34
9.19	0.00018	0.00015	0.00026	0.00024	0.00042	5.14
10.56	0.00019	0.00015	0.00023	0.00022	0.00043	4.67
12.13	0.00018	0.00010	0.00027	0.00017	0.00045	4.03
13.93	0.00016	0.00009	0.00020	0.00016	0.00044	3.15
16.00	0.00015	0.00008	0.00011	0.00009	0.00031	2.35
18.38	0.00011	0.00006	0.00020	0.00011	0.00018	1.86
21.11	0.00022	0.00006	0.00014	0.00010	0.00011	1.63
24.25	0.00009	..	..	..	..	1.62
27.86	..	..	..	..	..	1.61
32.00	..	..	..	..	..	1.31
36.76	..	..	..	..	..	0.89
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 101. DIGS, raw data: Station S5, Mission 2000-020

Station	**S5**	**S5**	**S5**	**S5**	**S5**	**S5**
Depth (m)	1	25	50	71	77	77
Time GMT	6:49	6:49	6:49	6:49	6:33	5:59
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.28	0.27	0.25	0.32	0.13	4.24
Total PPM	0.00280	0.01207	0.00369	0.00012	0.01174	100.00
Diameter (um)						
0.76	0.00006	0.00023	0.00009	0.00014	0.00034	2.50
0.87	0.00007	0.00026	0.00010	0.00015	0.00038	2.55
1.00	0.00007	0.00027	0.00010	0.00016	0.00040	2.70
1.15	0.00008	0.00030	0.00011	0.00018	0.00043	2.89
1.32	0.00009	0.00032	0.00012	0.00020	0.00049	3.07
1.52	0.00010	0.00036	0.00014	0.00024	0.00053	3.14
1.74	0.00011	0.00037	0.00016	0.00024	0.00056	3.26
2.00	0.00012	0.00040	0.00016	0.00022	0.00064	3.30
2.30	0.00012	0.00044	0.00019	0.00029	0.00065	3.53
2.64	0.00014	0.00046	0.00019	0.00028	0.00068	3.44
3.03	0.00013	0.00054	0.00021	0.00034	0.00068	3.72
3.48	0.00015	0.00060	0.00023	0.00029	0.00065	3.73
4.00	0.00009	0.00052	0.00017	0.00028	0.00068	4.04
4.59	0.00015	0.00058	0.00021	0.00025	0.00058	4.28
5.28	0.00015	0.00063	0.00021	0.00025	0.00054	4.48
6.06	0.00015	0.00067	0.00021	0.00022	0.00053	4.67
6.96	0.00016	0.00070	0.00021	0.00022	0.00050	4.83
8.00	0.00016	0.00070	0.00019	0.00018	0.00047	4.73
9.19	0.00014	0.00075	0.00018	0.00016	0.00044	4.73
10.56	0.00014	0.00067	0.00015	0.00011	0.00035	4.31
12.13	0.00013	0.00065	0.00011	0.00009	0.00026	4.32
13.93	0.00010	0.00048	0.00008	0.00009	0.00023	4.01
16.00	0.00012	0.00039	0.00011	0.00005	0.00014	3.78
18.38	0.00009	0.00030	0.00004	0.00006	0.00018	3.11
21.11	..	0.00029	..	..	0.00023	2.60
24.25	..	0.00019	..	..	0.00018	2.48
27.86	..	..	..	..	..	1.92
32.00	..	..	..	..	..	1.18
36.76	..	..	..	..	..	1.70
42.22	..	..	..	..	..	1.02
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 102. DIGS, raw data: Station S6, Mission 2000-020

Station	**S6**	**S6**	**S6**	**S6**	**S6**	**S6**
Depth (m)	1	25	50	66	76	76
Time GMT	4:38	4:38	4:38	4:38	5:05	4:16
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.31	0.46	0.29	0.16	0.67	25.56
Total PPM	0.00213	0.01505	0.03060	0.02081	0.02574	100.00
Diameter (um)						
0.76	0.00013	0.00047	0.00096	0.00074	0.00127	1.99
0.87	0.00013	0.00049	0.00095	0.00072	0.00127	2.10
1.00	0.00012	0.00051	0.00095	0.00073	0.00126	2.23
1.15	0.00013	0.00055	0.00100	0.00077	0.00129	2.32
1.32	0.00012	0.00055	0.00106	0.00082	0.00134	2.42
1.52	0.00011	0.00062	0.00119	0.00085	0.00130	2.55
1.74	0.00012	0.00063	0.00124	0.00091	0.00132	2.63
2.00	0.00014	0.00074	0.00137	0.00093	0.00135	2.73
2.30	0.00012	0.00079	0.00140	0.00108	0.00135	2.81
2.64	0.00014	0.00070	0.00157	0.00098	0.00127	2.86
3.03	0.00014	0.00080	0.00149	0.00096	0.00124	3.24
3.48	0.00010	0.00080	0.00157	0.00114	0.00113	3.52
4.00	0.00014	0.00088	0.00155	0.00092	0.00131	3.86
4.59	0.00010	0.00084	0.00156	0.00091	0.00110	4.28
5.28	0.00009	0.00083	0.00151	0.00086	0.00101	4.53
6.06	0.00008	0.00081	0.00151	0.00087	0.00099	4.91
6.96	0.00007	0.00074	0.00154	0.00086	0.00093	5.16
8.00	0.00005	0.00070	0.00150	0.00084	0.00090	5.41
9.19	0.00006	0.00063	0.00147	0.00076	0.00088	5.32
10.56	0.00004	0.00048	0.00129	0.00084	0.00071	5.42
12.13	0.00002	0.00046	0.00113	0.00063	0.00065	5.42
13.93	..	0.00029	0.00081	0.00067	0.00051	4.93
16.00	..	0.00018	0.00063	0.00058	0.00031	4.23
18.38	..	0.00021	0.00047	0.00050	0.00021	3.67
21.11	..	0.00020	0.00038	0.00044	0.00022	3.06
24.25	..	0.00013	0.00029	0.00033	0.00029	2.48
27.86	..	..	0.00020	0.00016	0.00032	1.83
32.00	..	..	..	..	..	1.25
36.76	..	..	..	..	..	1.55
42.22	..	..	..	..	..	1.31
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 103. DIGS, raw data: Station W0, Mission 2000-020

Station	W0	W0	W0	W0	W0	W0
Depth (m)	1	25	50	77	83	
Time GMT	19:22	19:22	19:22	19:22	19:48	
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.54	0.28	0.47	0.43	4.77	
Total PPM	0.00871	0.01160	0.00358	0.03337	0.05258	..
Diameter (um)						
0.76	0.00068	0.00045	0.00028	0.00131	0.00213	..
0.87	0.00057	0.00042	0.00025	0.00134	0.00218	..
1.00	0.00050	0.00037	0.00021	0.00138	0.00214	..
1.15	0.00044	0.00035	0.00016	0.00143	0.00209	..
1.32	0.00040	0.00034	0.00015	0.00149	0.00218	..
1.52	0.00040	0.00035	0.00015	0.00157	0.00227	..
1.74	0.00040	0.00036	0.00015	0.00160	0.00245	..
2.00	0.00039	0.00035	0.00014	0.00172	0.00262	..
2.30	0.00039	0.00041	0.00015	0.00180	0.00280	..
2.64	0.00041	0.00041	0.00018	0.00184	0.00269	..
3.03	0.00040	0.00046	0.00015	0.00180	0.00269	..
3.48	0.00038	0.00042	0.00018	0.00162	0.00241	..
4.00	0.00036	0.00044	0.00018	0.00188	0.00269	..
4.59	0.00037	0.00048	0.00014	0.00172	0.00252	..
5.28	0.00034	0.00048	0.00013	0.00155	0.00244	..
6.06	0.00032	0.00049	0.00013	0.00145	0.00230	..
6.96	0.00030	0.00047	0.00013	0.00133	0.00214	..
8.00	0.00027	0.00046	0.00011	0.00113	0.00197	..
9.19	0.00023	0.00042	0.00011	0.00107	0.00167	..
10.56	0.00021	0.00042	0.00012	0.00092	0.00144	..
12.13	0.00020	0.00035	0.00011	0.00078	0.00140	..
13.93	0.00020	0.00036	0.00015	0.00073	0.00111	..
16.00	0.00010	0.00036	0.00011	0.00050	0.00074	..
18.38	0.00017	0.00034	..	0.00043	0.00111	..
21.11	0.00019	0.00034	..	0.00021	0.00072	..
24.25	0.00009	0.00034	..	0.00027	0.00093	..
27.86	..	0.00031	..	0.00025	0.00076	..
32.00	..	0.00044	..	0.00023	..	..
36.76	..	0.00042	..	..	..	..
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 104. DIGS, raw data: Station W1, Mission 2000-020

Station	**W1**	**W1**	**W1**	**W1**	**W1**	**W1**
Depth (m)	1	25	50	75	82	82
Time GMT	20:42	20:42	20:42	20:42	20:07	20:26
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.29	0.27	0.73	0.79	0.83	74.73
Total PPM	0.00831	0.01222	0.01202	0.02925	0.04495	100.00
Diameter (um)						
0.76	0.00032	0.00048	0.00039	0.00109	0.00226	3.40
0.87	0.00038	0.00055	0.00042	0.00111	0.00265	3.73
1.00	0.00039	0.00054	0.00047	0.00119	0.00228	4.12
1.15	0.00033	0.00047	0.00047	0.00128	0.00188	4.27
1.32	0.00033	0.00046	0.00048	0.00131	0.00176	4.46
1.52	0.00032	0.00043	0.00049	0.00133	0.00184	4.53
1.74	0.00033	0.00042	0.00049	0.00139	0.00165	4.52
2.00	0.00035	0.00045	0.00049	0.00139	0.00191	4.74
2.30	0.00038	0.00051	0.00051	0.00144	0.00185	4.62
2.64	0.00036	0.00046	0.00054	0.00146	0.00198	4.67
3.03	0.00038	0.00054	0.00054	0.00141	0.00196	4.50
3.48	0.00050	0.00057	0.00051	0.00142	0.00189	4.02
4.00	0.00035	0.00054	0.00056	0.00138	0.00206	4.23
4.59	0.00033	0.00056	0.00055	0.00140	0.00196	4.02
5.28	0.00035	0.00056	0.00056	0.00139	0.00189	3.98
6.06	0.00034	0.00055	0.00058	0.00121	0.00185	3.99
6.96	0.00036	0.00053	0.00053	0.00118	0.00179	3.93
8.00	0.00033	0.00053	0.00049	0.00114	0.00160	3.72
9.19	0.00033	0.00053	0.00044	0.00109	0.00149	3.59
10.56	0.00032	0.00047	0.00043	0.00095	0.00131	3.39
12.13	0.00025	0.00040	0.00036	0.00087	0.00135	3.06
13.93	0.00020	0.00035	0.00033	0.00075	0.00099	2.83
16.00	0.00026	0.00027	0.00032	0.00061	0.00121	2.48
18.38	0.00013	0.00022	0.00027	0.00054	0.00102	2.44
21.11	0.00026	0.00030	0.00025	0.00038	0.00093	1.89
24.25	0.00012	0.00026	0.00037	0.00037	0.00072	1.57
27.86	..	0.00025	0.00019	0.00013	0.00086	1.45
32.00	..	..	..	..	..	1.08
36.76	..	..	..	..	..	0.80
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 105. DIGS, raw data: Station W2, Mission 2000-020

Station	W2	W2	W2	W2	W2	W2
Depth (m)	1	25		75	82	
Time GMT	21:37	21:37		21:37	21:52	
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.25	0.51		1.02	1.14	
Total PPM	0.00671	0.00905	..	0.02829	0.05880	..
Diameter (um)						
0.76	0.00027	0.00029	..	0.00121	0.00230	..
0.87	0.00027	0.00029	..	0.00124	0.00233	..
1.00	0.00026	0.00030	..	0.00129	0.00243	..
1.15	0.00027	0.00029	..	0.00127	0.00254	..
1.32	0.00028	0.00031	..	0.00129	0.00261	..
1.52	0.00030	0.00033	..	0.00131	0.00281	..
1.74	0.00029	0.00036	..	0.00132	0.00293	..
2.00	0.00030	0.00036	..	0.00132	0.00298	..
2.30	0.00034	0.00036	..	0.00126	0.00322	..
2.64	0.00031	0.00042	..	0.00136	0.00332	..
3.03	0.00039	0.00037	..	0.00127	0.00339	..
3.48	0.00037	0.00039	..	0.00145	0.00332	..
4.00	0.00042	0.00043	..	0.00147	0.00375	..
4.59	0.00039	0.00047	..	0.00128	0.00308	..
5.28	0.00035	0.00045	..	0.00120	0.00282	..
6.06	0.00031	0.00044	..	0.00117	0.00260	..
6.96	0.00030	0.00043	..	0.00115	0.00229	..
8.00	0.00027	0.00042	..	0.00111	0.00204	..
9.19	0.00024	0.00040	..	0.00103	0.00185	..
10.56	0.00019	0.00036	..	0.00099	0.00158	..
12.13	0.00017	0.00029	..	0.00080	0.00121	..
13.93	0.00006	0.00024	..	0.00057	0.00083	..
16.00	0.00017	0.00025	..	0.00056	0.00087	..
18.38	0.00014	0.00023	..	0.00039	0.00082	..
21.11	0.00007	0.00012	..	0.00039	0.00055	..
24.25	..	0.00025	..	0.00036	0.00032	..
27.86	..	0.00020	..	0.00022	..	..
32.00	..	..	..	..	..	..
36.76	..	..	..	..	..	..
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 106. DIGS, raw data: Station W3, Mission 2000-020

Station	**W3**	**W3**	**W3**	**W3**	**W3**	**W3**
Depth (m)	1	25	50	71	77	77
Time GMT	5:11	5:11	5:11	5:11	5:57	5:35
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.54	0.62	0.47	0.70	0.67	2.22
Total PPM	0.00879	0.00545	0.02251	0.03476	0.04506	100.00
Diameter (um)						
0.76	0.00026	0.00013	0.00045	0.00109	0.00127	1.85
0.87	0.00029	0.00013	0.00049	0.00119	0.00145	2.16
1.00	0.00029	0.00014	0.00057	0.00129	0.00166	2.52
1.15	0.00031	0.00015	0.00061	0.00139	0.00191	2.86
1.32	0.00033	0.00017	0.00069	0.00151	0.00202	3.16
1.52	0.00032	0.00017	0.00074	0.00160	0.00219	3.38
1.74	0.00036	0.00017	0.00079	0.00166	0.00221	3.54
2.00	0.00039	0.00020	0.00077	0.00177	0.00242	3.73
2.30	0.00046	0.00022	0.00087	0.00180	0.00251	3.83
2.64	0.00045	0.00024	0.00090	0.00194	0.00256	3.79
3.03	0.00046	0.00024	0.00094	0.00189	0.00256	4.15
3.48	0.00038	0.00025	0.00098	0.00195	0.00255	4.12
4.00	0.00040	0.00025	0.00105	0.00189	0.00238	4.35
4.59	0.00042	0.00027	0.00111	0.00177	0.00228	4.17
5.28	0.00044	0.00028	0.00113	0.00169	0.00226	4.24
6.06	0.00042	0.00029	0.00118	0.00162	0.00213	4.50
6.96	0.00042	0.00029	0.00121	0.00150	0.00200	4.73
8.00	0.00040	0.00031	0.00109	0.00135	0.00184	4.72
9.19	0.00038	0.00029	0.00116	0.00122	0.00155	4.68
10.56	0.00033	0.00029	0.00100	0.00107	0.00137	4.27
12.13	0.00035	0.00024	0.00103	0.00079	0.00110	4.12
13.93	0.00021	0.00020	0.00089	0.00072	0.00072	3.45
16.00	0.00026	0.00016	0.00079	0.00054	0.00065	2.97
18.38	0.00012	0.00015	0.00067	0.00054	0.00035	2.84
21.11	0.00013	0.00014	0.00051	0.00033	0.00047	2.35
24.25	0.00022	0.00009	0.00033	0.00045	0.00034	2.19
27.86	..	..	0.00028	0.00019	0.00031	2.26
32.00	..	..	0.00027	..	..	1.38
36.76	..	..	..	..	..	1.20
42.22	..	..	..	..	..	1.49
48.50	..	..	..	..	..	1.00
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 107. DIGS, raw data: Station W4, Mission 2000-020

Station	**W4**	**W4**	**W4**	**W4**	**W4**	**W4**
Depth (m)	1	25	50	66		
Time GMT	4:32	4:32	4:32	4:32		
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.71	0.76	0.45	0.51		
Total PPM	0.00557	0.00717	0.00925	0.01032	..	..
Diameter (um)						
0.76	0.00028	0.00035	0.00029	0.00031	..	..
0.87	0.00029	0.00032	0.00031	0.00033	..	..
1.00	0.00028	0.00029	0.00030	0.00037	..	..
1.15	0.00026	0.00028	0.00032	0.00039	..	..
1.32	0.00025	0.00028	0.00034	0.00042	..	..
1.52	0.00024	0.00027	0.00035	0.00044	..	..
1.74	0.00023	0.00028	0.00037	0.00044	..	..
2.00	0.00026	0.00030	0.00042	0.00047	..	..
2.30	0.00023	0.00029	0.00038	0.00049	..	..
2.64	0.00024	0.00032	0.00042	0.00050	..	..
3.03	0.00020	0.00034	0.00042	0.00053	..	..
3.48	0.00017	0.00026	0.00044	0.00048	..	..
4.00	0.00019	0.00030	0.00046	0.00065	..	..
4.59	0.00023	0.00035	0.00044	0.00051	..	..
5.28	0.00024	0.00036	0.00046	0.00050	..	..
6.06	0.00025	0.00036	0.00045	0.00048	..	..
6.96	0.00024	0.00036	0.00044	0.00047	..	..
8.00	0.00026	0.00033	0.00043	0.00046	..	..
9.19	0.00025	0.00032	0.00040	0.00043	..	..
10.56	0.00025	0.00030	0.00037	0.00037	..	..
12.13	0.00024	0.00026	0.00028	0.00035	..	..
13.93	0.00017	0.00019	0.00026	0.00021	..	..
16.00	0.00014	0.00017	0.00021	0.00025	..	..
18.38	0.00006	0.00014	0.00017	0.00011	..	..
21.11	0.00013	0.00015	0.00014	0.00014	..	..
24.25	..	..	0.00018	0.00021	..	..
27.86	..	..	0.00019		..	..
32.00	..	..	..	..	..	..
36.76	..	..	..	..	..	..
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 108. DIGS, raw data: Station W5, Mission 2000-020

Station	**W5**	**W5**	**W5**	**W5**	**W5**	**W5**
Depth (m)	1	25	50	66	75	75
Time GMT	3:15	3:15	3:15	3:15	3:00	2:34
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	1.14	1.96	0.43	0.37	0.59	2.66
Total PPM	0.01327	0.03677	0.01940	0.02079	0.03233	100.00
Diameter (um)						
0.76	0.00053	0.00106	0.00051	0.00065	0.00112	3.27
0.87	0.00052	0.00105	0.00057	0.00070	0.00119	3.25
1.00	0.00048	0.00101	0.00063	0.00075	0.00129	3.21
1.15	0.00050	0.00094	0.00069	0.00081	0.00133	3.37
1.32	0.00047	0.00089	0.00076	0.00088	0.00130	3.39
1.52	0.00048	0.00090	0.00078	0.00090	0.00136	3.64
1.74	0.00047	0.00089	0.00084	0.00092	0.00141	3.43
2.00	0.00048	0.00092	0.00083	0.00101	0.00143	3.78
2.30	0.00047	0.00084	0.00104	0.00106	0.00157	3.86
2.64	0.00045	0.00087	0.00100	0.00111	0.00149	4.02
3.03	0.00058	0.00098	0.00128	0.00121	0.00162	3.71
3.48	0.00047	0.00093	0.00110	0.00125	0.00147	3.96
4.00	0.00034	0.00096	0.00110	0.00126	0.00159	3.66
4.59	0.00053	0.00122	0.00115	0.00115	0.00168	3.98
5.28	0.00056	0.00109	0.00113	0.00113	0.00162	4.26
6.06	0.00062	0.00124	0.00104	0.00104	0.00161	4.20
6.96	0.00064	0.00139	0.00093	0.00093	0.00143	4.58
8.00	0.00066	0.00164	0.00083	0.00083	0.00133	4.50
9.19	0.00068	0.00190	0.00076	0.00076	0.00132	4.67
10.56	0.00066	0.00245	0.00063	0.00063	0.00112	4.36
12.13	0.00069	0.00268	0.00049	0.00049	0.00090	3.52
13.93	0.00065	0.00288	0.00039	0.00039	0.00075	3.28
16.00	0.00054	0.00269	0.00032	0.00032	0.00069	3.59
18.38	0.00040	0.00231	0.00024	0.00024	0.00043	3.37
21.11	0.00022	0.00158	0.00028	0.00028	0.00051	3.15
24.25	0.00019	0.00115	0.00008	0.00008	0.00045	2.54
27.86	..	0.00031	..	..	0.00033	2.26
32.00	..	..	..	..	..	1.19
36.76	..	..	..	..	..	..
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 109. DIGS, raw data: Station W6, Mission 2000-020

Station	**W6**	**W6**	**W6**	**W6**	**W6**	**W6**
Depth (m)	1	25	50	68	82	82
Time GMT	0:33	0:33	0:33	0:33	1:05	0:04
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.61	0.39	0.27	0.33	0.36	1.41
Total PPM	0.03764	0.02247	0.02635	0.03634	0.04457	100.00
Diameter (um)						
0.76	0.00068	0.00033	0.00092	0.00131	0.00125	3.33
0.87	0.00062	0.00033	0.00089	0.00122	0.00124	3.54
1.00	0.00063	0.00036	0.00088	0.00120	0.00126	3.79
1.15	0.00062	0.00037	0.00093	0.00127	0.00135	4.05
1.32	0.00060	0.00036	0.00096	0.00136	0.00139	4.21
1.52	0.00058	0.00035	0.00100	0.00141	0.00150	4.38
1.74	0.00060	0.00038	0.00105	0.00154	0.00157	4.58
2.00	0.00062	0.00040	0.00108	0.00158	0.00169	4.76
2.30	0.00068	0.00041	0.00112	0.00171	0.00176	4.93
2.64	0.00072	0.00047	0.00123	0.00192	0.00187	5.16
3.03	0.00078	0.00054	0.00130	0.00180	0.00200	5.06
3.48	0.00086	0.00053	0.00111	0.00184	0.00191	5.05
4.00	0.00099	0.00071	0.00134	0.00188	0.00226	5.05
4.59	0.00107	0.00075	0.00134	0.00187	0.00218	5.27
5.28	0.00119	0.00087	0.00118	0.00176	0.00208	4.93
6.06	0.00134	0.00100	0.00117	0.00171	0.00202	4.67
6.96	0.00152	0.00115	0.00112	0.00168	0.00210	4.42
8.00	0.00169	0.00129	0.00110	0.00166	0.00208	4.12
9.19	0.00181	0.00129	0.00107	0.00153	0.00213	3.69
10.56	0.00199	0.00135	0.00101	0.00137	0.00191	3.10
12.13	0.00205	0.00147	0.00090	0.00129	0.00181	2.56
13.93	0.00227	0.00148	0.00085	0.00082	0.00154	2.01
16.00	0.00242	0.00144	0.00072	0.00083	0.00126	1.79
18.38	0.00257	0.00151	0.00060	0.00070	0.00120	1.42
21.11	0.00256	0.00108	0.00039	0.00046	0.00081	1.02
24.25	0.00272	0.00085	0.00039	0.00028	0.00059	0.93
27.86	0.00206	0.00050	0.00032	0.00032	0.00046	0.84
32.00	0.00140	0.00062	0.00038	..	0.00061	0.86
36.76	..	0.00028	..	..	0.00073	0.48
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 110. DIGS, raw data: Station E3, Mission 2000-020

Station	**E3**	**E3**	**E3**	**E3**	**E3**	**E3**
Depth (m)	1	25	50	75	85	85
Time GMT	5:38	5:38	5:38	5:38	6:06	5:17
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.41	0.42	0.45	0.35	1.00	7.41
Total PPM	0.00314	0.00981	0.01249	0.02866	0.04233	100.00
Diameter (um)						
0.76	0.00023	0.00032	0.00048	0.00095	0.00100	1.72
0.87	0.00018	0.00029	0.00045	0.00101	0.00110	1.89
1.00	0.00015	0.00025	0.00044	0.00111	0.00124	2.14
1.15	0.00013	0.00025	0.00046	0.00120	0.00137	2.37
1.32	0.00013	0.00024	0.00049	0.00127	0.00153	2.63
1.52	0.00015	0.00026	0.00052	0.00134	0.00165	2.83
1.74	0.00015	0.00025	0.00054	0.00138	0.00176	3.06
2.00	0.00016	0.00029	0.00056	0.00145	0.00181	3.17
2.30	0.00016	0.00032	0.00063	0.00148	0.00188	3.35
2.64	0.00015	0.00033	0.00071	0.00142	0.00203	3.56
3.03	0.00019	0.00035	0.00070	0.00138	0.00218	3.76
3.48	0.00019	0.00038	0.00064	0.00149	0.00213	3.63
4.00	0.00014	0.00046	0.00051	0.00115	0.00209	3.54
4.59	0.00013	0.00040	0.00052	0.00136	0.00203	3.96
5.28	0.00013	0.00055	0.00053	0.00127	0.00197	4.22
6.06	0.00012	0.00067	0.00052	0.00121	0.00201	4.47
6.96	0.00012	0.00070	0.00050	0.00119	0.00195	4.81
8.00	0.00012	0.00081	0.00053	0.00108	0.00193	5.05
9.19	0.00010	0.00074	0.00057	0.00104	0.00190	5.39
10.56	0.00009	0.00060	0.00046	0.00091	0.00175	5.30
12.13	0.00009	0.00046	0.00040	0.00079	0.00148	4.99
13.93	0.00008	0.00032	0.00034	0.00067	0.00123	4.80
16.00	0.00004	0.00017	0.00034	0.00059	0.00100	3.98
18.38	..	0.00012	0.00020	0.00059	0.00080	3.60
21.11	..	0.00015	0.00029	0.00045	0.00060	3.24
24.25	..	0.00014	0.00018	0.00048	0.00071	2.98
27.86	..	..	..	0.00041	0.00081	2.57
32.00	..	..	..	..	0.00039	1.33
36.76	..	..	..	..	..	1.64
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 111. DIGS, raw data: Station E4, Mission 2000-020

Station	**E4**	**E4**	**E4**	**E4**	**E4**	**E4**
Depth (m)	1	25	50	71	86	86
Time GMT	4:38	4:38	4:38	4:38	4:24	4:01
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.65	0.33	0.74	0.44	0.41	1.92
Total PPM	0.01047	0.00742	0.01249	0.00759	0.01262	100.00
Diameter (um)						
0.76	0.00038	0.00056	0.00048	0.00038	0.00041	1.44
0.87	0.00036	0.00048	0.00045	0.00035	0.00038	1.72
1.00	0.00034	0.00045	0.00044	0.00033	0.00038	2.04
1.15	0.00031	0.00042	0.00046	0.00032	0.00035	2.43
1.32	0.00032	0.00039	0.00049	0.00034	0.00039	2.79
1.52	0.00032	0.00039	0.00052	0.00036	0.00039	3.03
1.74	0.00032	0.00037	0.00054	0.00036	0.00040	3.51
2.00	0.00038	0.00035	0.00056	0.00041	0.00046	3.82
2.30	0.00036	0.00036	0.00063	0.00037	0.00045	4.17
2.64	0.00037	0.00039	0.00071	0.00042	0.00054	4.31
3.03	0.00043	0.00037	0.00070	0.00047	0.00055	4.51
3.48	0.00046	0.00030	0.00064	0.00039	0.00046	4.43
4.00	0.00046	0.00035	0.00051	0.00043	0.00053	4.81
4.59	0.00050	0.00028	0.00052	0.00036	0.00063	4.36
5.28	0.00053	0.00027	0.00053	0.00036	0.00065	4.80
6.06	0.00058	0.00026	0.00052	0.00034	0.00068	5.05
6.96	0.00067	0.00025	0.00050	0.00034	0.00066	5.31
8.00	0.00073	0.00024	0.00053	0.00030	0.00060	5.39
9.19	0.00067	0.00022	0.00057	0.00025	0.00058	5.38
10.56	0.00061	0.00019	0.00046	0.00027	0.00056	5.09
12.13	0.00051	0.00019	0.00040	0.00018	0.00053	4.70
13.93	0.00033	0.00018	0.00034	0.00015	0.00049	3.86
16.00	0.00032	0.00009	0.00034	0.00007	0.00038	3.22
18.38	0.00011	0.00006	0.00020	..	0.00033	2.55
21.11	0.00011	..	0.00029	..	0.00028	1.97
24.25	..	..	0.00018	..	0.00025	1.27
27.86	..	..	..	..	0.00030	1.31
32.00	..	..	..	..	..	0.69
36.76	..	..	..	..	..	1.01
42.22	..	..	..	..	..	1.03
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 112. DIGS, raw data: Station E5, Mission 2000-020

Station	**E5**	**E5**	**E5**	**E5**	**E5**	**E5**
Depth (m)	1	25	50	85	95	95
Time GMT	2:56	2:56	2:56	2:56	3:23	2:34
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	1.04	1.32	1.69	2.22	0.91	1.15
Total PPM	0.00994	0.33774	0.02030	0.45757	0.09255	100.00
Diameter (um)						
0.76	0.00049	0.01320	0.00147	0.01825	0.00150	2.36
0.87	0.00049	0.01307	0.00141	0.01908	0.00176	2.68
1.00	0.00049	0.01309	0.00138	0.02017	0.00198	2.99
1.15	0.00049	0.01267	0.00128	0.02119	0.00217	3.16
1.32	0.00047	0.01218	0.00113	0.02245	0.00243	3.39
1.52	0.00047	0.01220	0.00104	0.02249	0.00272	3.59
1.74	0.00044	0.01174	0.00100	0.02329	0.00285	3.59
2.00	0.00046	0.01216	0.00095	0.02444	0.00305	3.84
2.30	0.00044	0.01257	0.00087	0.02345	0.00320	3.67
2.64	0.00043	0.01231	0.00088	0.02268	0.00333	3.95
3.03	0.00045	0.01015	0.00089	0.02294	0.00348	4.70
3.48	0.00052	0.01204	0.00074	0.02156	0.00376	4.24
4.00	0.00048	0.01238	0.00057	0.02110	0.00415	3.82
4.59	0.00047	0.01238	0.00060	0.01982	0.00428	3.34
5.28	0.00046	0.01383	0.00062	0.01897	0.00466	3.59
6.06	0.00045	0.01463	0.00064	0.01803	0.00501	3.80
6.96	0.00043	0.01771	0.00061	0.01713	0.00530	4.17
8.00	0.00040	0.01890	0.00065	0.01655	0.00552	4.18
9.19	0.00037	0.02023	0.00068	0.01600	0.00547	4.32
10.56	0.00031	0.02061	0.00065	0.01577	0.00524	4.44
12.13	0.00025	0.01906	0.00062	0.01329	0.00447	4.34
13.93	0.00015	0.01665	0.00051	0.01196	0.00408	3.69
16.00	0.00013	0.01219	0.00042	0.01058	0.00359	3.73
18.38	0.00021	0.00732	0.00032	0.00683	0.00252	3.48
21.11	0.00018	0.00446	0.00021	0.00406	0.00209	2.97
24.25	..	..	0.00014	0.00273	0.00166	2.45
27.86	..	..	..	0.00277	0.00092	3.48
32.00	..	..	..	..	0.00076	2.01
36.76	..	..	..	..	0.00059	..
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 113. DIGS, raw data: Station E6, Mission 2000-020

Station	**E6**	**E6**	**E6**	**E6**	**E6**	**E6**
Depth (m)		25	50	93	104	104
Time GMT		1:42	1:42	1:42	1:27	1:04
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM		0.19	0.61	1.60	0.23	2.39
Total PPM	..	0.01028	0.01860	0.06402	0.07577	100.00
Diameter (um)						
0.76	..	0.00037	0.00032	0.00190	0.00163	2.37
0.87	..	0.00036	0.00035	0.00214	0.00189	2.70
1.00	..	0.00037	0.00041	0.00242	0.00220	3.19
1.15	..	0.00037	0.00044	0.00268	0.00250	3.56
1.32	..	0.00038	0.00047	0.00297	0.00279	3.91
1.52	..	0.00039	0.00050	0.00322	0.00298	4.19
1.74	..	0.00037	0.00056	0.00336	0.00325	4.46
2.00	..	0.00040	0.00059	0.00361	0.00353	4.57
2.30	..	0.00041	0.00062	0.00376	0.00370	4.67
2.64	..	0.00045	0.00064	0.00382	0.00364	4.77
3.03	..	0.00041	0.00066	0.00382	0.00366	4.84
3.48	..	0.00038	0.00072	0.00360	0.00439	4.70
4.00	..	0.00050	0.00083	0.00366	0.00409	4.20
4.59	..	0.00055	0.00093	0.00353	0.00413	4.37
5.28	..	0.00052	0.00093	0.00303	0.00391	3.99
6.06	..	0.00054	0.00099	0.00279	0.00395	3.93
6.96	..	0.00053	0.00106	0.00252	0.00400	3.91
8.00	..	0.00053	0.00110	0.00219	0.00393	3.80
9.19	..	0.00047	0.00116	0.00182	0.00359	3.75
10.56	..	0.00039	0.00117	0.00153	0.00322	3.57
12.13	..	0.00033	0.00104	0.00129	0.00242	3.67
13.93	..	0.00032	0.00086	0.00113	0.00172	3.03
16.00	..	0.00024	0.00053	0.00109	0.00141	2.61
18.38	..	0.00016	0.00053	0.00067	0.00090	2.90
21.11	..	0.00018	0.00039	0.00066	0.00074	2.49
24.25	..	0.00020	0.00021	0.00037	0.00055	1.88
27.86	..	0.00017	0.00026	0.00045	0.00039	1.95
32.00	..	..	0.00032	..	0.00067	1.28
36.76	..	..	..	..	..	0.73
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 114. DIGS, raw data: Station 8-500, Mission 2000-020

Station	8-500	8-500	8-500	8-500	8-500	8-500
Depth (m)	1	25		72	84	
Time GMT	22:51	22:51		22:51	22:36	
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.51	2.49		0.59	0.55	
Total PPM	0.04091	0.04771	..	0.08368	0.04294	..
Diameter (um)						
0.76	0.00069	0.00062	..	0.00200	0.00138	..
0.87	0.00073	0.00063	..	0.00201	0.00137	..
1.00	0.00075	0.00065	..	0.00208	0.00137	..
1.15	0.00081	0.00069	..	0.00214	0.00138	..
1.32	0.00083	0.00074	..	0.00223	0.00147	..
1.52	0.00089	0.00079	..	0.00235	0.00154	..
1.74	0.00094	0.00083	..	0.00238	0.00152	..
2.00	0.00105	0.00088	..	0.00250	0.00152	..
2.30	0.00106	0.00090	..	0.00271	0.00157	..
2.64	0.00111	0.00106	..	0.00281	0.00157	..
3.03	0.00127	0.00105	..	0.00299	0.00175	..
3.48	0.00141	0.00124	..	0.00330	0.00152	..
4.00	0.00151	0.00128	..	0.00335	0.00177	..
4.59	0.00169	0.00155	..	0.00351	0.00184	..
5.28	0.00178	0.00168	..	0.00355	0.00182	..
6.06	0.00195	0.00194	..	0.00370	0.00183	..
6.96	0.00215	0.00223	..	0.00396	0.00190	..
8.00	0.00225	0.00253	..	0.00414	0.00190	..
9.19	0.00247	0.00291	..	0.00417	0.00179	..
10.56	0.00251	0.00334	..	0.00427	0.00184	..
12.13	0.00249	0.00345	..	0.00401	0.00173	..
13.93	0.00215	0.00346	..	0.00362	0.00162	..
16.00	0.00179	0.00333	..	0.00321	0.00148	..
18.38	0.00147	0.00287	..	0.00274	0.00140	..
21.11	0.00125	0.00250	..	0.00216	0.00087	..
24.25	0.00108	0.00168	..	0.00186	0.00097	..
27.86	0.00109	0.00118	..	0.00161	0.00070	..
32.00	0.00102	0.00110	..	0.00181	0.00074	..
36.76	0.00071	0.00058	..	0.00167	0.00076	..
42.22	..	..	..	0.00083	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 115. DIGS, raw data: Station 8-1000, Mission 2000-020

Station	**8-1000**	**8-1000**	**8-1000**	**8-1000**	**8-1000**	**8-1000**
Depth (m)	1	25	50	74	84	
Time GMT	0:45	0:45	0:45	0:45	0:28	
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.38	0.79	0.47	0.27	0.62	
Total PPM	0.01068	0.07927	0.03125	0.03524	0.02438	..
Diameter (um)						
0.76	0.00035	0.00205	0.00131	0.00120	0.00053	..
0.87	0.00035	0.00217	0.00135	0.00122	0.00057	..
1.00	0.00031	0.00216	0.00135	0.00129	0.00056	..
1.15	0.00034	0.00229	0.00141	0.00142	0.00063	..
1.32	0.00035	0.00237	0.00149	0.00154	0.00071	..
1.52	0.00036	0.00245	0.00145	0.00161	0.00076	..
1.74	0.00041	0.00268	0.00142	0.00174	0.00079	..
2.00	0.00045	0.00277	0.00142	0.00179	0.00081	..
2.30	0.00049	0.00294	0.00143	0.00191	0.00090	..
2.64	0.00046	0.00298	0.00148	0.00188	0.00092	..
3.03	0.00056	0.00333	0.00159	0.00198	0.00100	..
3.48	0.00057	0.00326	0.00164	0.00184	0.00100	..
4.00	0.00049	0.00318	0.00154	0.00206	0.00103	..
4.59	0.00060	0.00319	0.00145	0.00183	0.00108	..
5.28	0.00065	0.00348	0.00138	0.00185	0.00109	..
6.06	0.00067	0.00369	0.00131	0.00174	0.00109	..
6.96	0.00062	0.00397	0.00123	0.00163	0.00107	..
8.00	0.00057	0.00392	0.00112	0.00149	0.00109	..
9.19	0.00050	0.00386	0.00101	0.00132	0.00106	..
10.56	0.00037	0.00353	0.00091	0.00111	0.00106	..
12.13	0.00027	0.00337	0.00073	0.00089	0.00095	..
13.93	0.00023	0.00284	0.00066	0.00073	0.00088	..
16.00	0.00035	0.00247	0.00058	0.00050	0.00079	..
18.38	0.00016	0.00269	0.00053	0.00036	0.00073	..
21.11	0.00018	0.00171	0.00050	0.00025	0.00068	..
24.25	..	0.00182	0.00045	0.00009	0.00084	..
27.86	..	0.00141	0.00048	..	0.00057	..
32.00	..	0.00126	..	..	0.00040	..
36.76	..	0.00144	..	..	0.00080	..
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 116. DIGS, raw data: Station 8-1500, Mission 2000-020

Station	**8-1500**	**8-1500**	**8-1500**	**8-1500**	**8-1500**	**8-1500**
Depth (m)	1	25	50	73	84	
Time GMT	1:47	1:47	1:47	1:47	2:09	
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.26	0.47	0.47	0.16	2.63	
Total PPM	0.00882	0.00799	0.02754	0.02177	0.07934	..
Diameter (um)						
0.76	0.00024	0.00018	0.00079	0.00047	0.00139	..
0.87	0.00024	0.00018	0.00083	0.00050	0.00146	..
1.00	0.00026	0.00018	0.00089	0.00056	0.00150	..
1.15	0.00028	0.00019	0.00098	0.00066	0.00161	..
1.32	0.00031	0.00020	0.00108	0.00071	0.00172	..
1.52	0.00032	0.00022	0.00109	0.00076	0.00179	..
1.74	0.00036	0.00024	0.00119	0.00087	0.00192	..
2.00	0.00038	0.00028	0.00127	0.00091	0.00207	..
2.30	0.00039	0.00032	0.00129	0.00099	0.00217	..
2.64	0.00046	0.00036	0.00143	0.00107	0.00221	..
3.03	0.00042	0.00037	0.00149	0.00109	0.00256	..
3.48	0.00055	0.00044	0.00155	0.00130	0.00279	..
4.00	0.00052	0.00048	0.00144	0.00118	0.00284	..
4.59	0.00054	0.00046	0.00133	0.00118	0.00308	..
5.28	0.00052	0.00046	0.00129	0.00119	0.00324	..
6.06	0.00047	0.00045	0.00121	0.00119	0.00347	..
6.96	0.00044	0.00043	0.00114	0.00112	0.00380	..
8.00	0.00040	0.00040	0.00107	0.00107	0.00416	..
9.19	0.00035	0.00038	0.00102	0.00096	0.00449	..
10.56	0.00032	0.00037	0.00095	0.00089	0.00494	..
12.13	0.00027	0.00035	0.00084	0.00074	0.00504	..
13.93	0.00020	0.00031	0.00066	0.00068	0.00476	..
16.00	0.00013	0.00017	0.00066	0.00053	0.00434	..
18.38	0.00016	0.00023	0.00046	0.00040	0.00367	..
21.11	0.00018	0.00020	0.00035	0.00014	0.00260	..
24.25	0.00012	0.00014	0.00044	0.00031	0.00233	..
27.86	..	..	0.00043	0.00030	0.00149	..
32.00	..	..	0.00038	..	0.00098	..
36.76	..	..	..	..	0.00091	..
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 117. DIGS, raw data: Station 8-2500, Mission 2000-020

Station	**8-2500**	**8-2500**	**8-2500**	**8-2500**	**8-2500**	**8-2500**
Depth (m)	1	25	50		77	
Time GMT	4:22	4:22	4:22		4:09	
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.22	0.41	0.27		0.63	
Total PPM	0.00136	0.00448	0.00410	..	0.01231	..
Diameter (um)						
0.76	0.00004	0.00010	0.00011	..	0.00029	..
0.87	0.00004	0.00011	0.00012	..	0.00032	..
1.00	0.00005	0.00013	0.00011	..	0.00053	..
1.15	0.00004	0.00013	0.00012	..	0.00060	..
1.32	0.00004	0.00014	0.00013	..	0.00041	..
1.52	0.00004	0.00015	0.00013	..	0.00037	..
1.74	0.00004	0.00017	0.00015	..	0.00038	..
2.00	0.00004	0.00015	0.00014	..	0.00039	..
2.30	0.00005	0.00020	0.00017	..	0.00038	..
2.64	0.00004	0.00017	0.00017	..	0.00046	..
3.03	0.00003	0.00019	0.00015	..	0.00043	..
3.48	0.00005	0.00020	0.00017	..	0.00048	..
4.00	0.00008	0.00025	0.00020	..	0.00057	..
4.59	0.00008	0.00027	0.00019	..	0.00058	..
5.28	0.00008	0.00023	0.00019	..	0.00061	..
6.06	0.00007	0.00023	0.00017	..	0.00059	..
6.96	0.00007	0.00021	0.00017	..	0.00057	..
8.00	0.00006	0.00021	0.00020	..	0.00056	..
9.19	0.00007	0.00022	0.00020	..	0.00061	..
10.56	0.00007	0.00019	0.00016	..	0.00060	..
12.13	0.00008	0.00024	0.00023	..	0.00051	..
13.93	0.00007	0.00021	0.00020	..	0.00045	..
16.00	0.00004	0.00014	0.00016	..	0.00052	..
18.38	0.00009	0.00017	0.00015	..	0.00046	..
21.11	..	0.00007	0.00014	..	0.00041	..
24.25	..	..	0.00009	..	0.00025	..
27.86	..	..	..	..	..	..
32.00	..	..	..	..	..	..
36.76	..	..	..	..	..	..
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 118. DIGS, raw data: Station 8-4000, Mission 2000-020

Station	**8-4000**	**8-4000**	**8-4000**	**8-4000**	**8-4000**	**8-4000**
Depth (m)	1	25	50	70	77	
Time GMT	5:33	5:33	5:33	5:33	5:54	
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.63	0.77	2.10	0.49	2.68	
Total PPM	0.04919	0.00312	0.04295	0.00324	0.05983	..
Diameter (um)						
0.76	0.00073	0.00009	0.00113	0.00010	0.00114	..
0.87	0.00081	0.00008	0.00114	0.00010	0.00131	..
1.00	0.00090	0.00009	0.00114	0.00011	0.00147	..
1.15	0.00098	0.00010	0.00120	0.00011	0.00151	..
1.32	0.00108	0.00010	0.00119	0.00011	0.00159	..
1.52	0.00114	0.00011	0.00115	0.00012	0.00166	..
1.74	0.00127	0.00011	0.00118	0.00013	0.00177	..
2.00	0.00128	0.00013	0.00124	0.00013	0.00190	..
2.30	0.00144	0.00012	0.00127	0.00014	0.00198	..
2.64	0.00151	0.00009	0.00127	0.00011	0.00217	..
3.03	0.00175	0.00018	0.00117	0.00014	0.00243	..
3.48	0.00182	0.00017	0.00122	0.00012	0.00278	..
4.00	0.00196	0.00023	0.00128	0.00015	0.00229	..
4.59	0.00216	0.00015	0.00127	0.00015	0.00263	..
5.28	0.00243	0.00014	0.00138	0.00016	0.00296	..
6.06	0.00284	0.00016	0.00147	0.00016	0.00311	..
6.96	0.00307	0.00015	0.00164	0.00016	0.00317	..
8.00	0.00316	0.00016	0.00182	0.00015	0.00328	..
9.19	0.00314	0.00013	0.00207	0.00016	0.00303	..
10.56	0.00275	0.00013	0.00231	0.00013	0.00280	..
12.13	0.00242	0.00010	0.00257	0.00015	0.00281	..
13.93	0.00218	0.00010	0.00270	0.00018	0.00260	..
16.00	0.00165	0.00007	0.00269	0.00009	0.00209	..
18.38	0.00167	0.00015	0.00265	0.00011	0.00197	..
21.11	0.00123	0.00008	0.00206	0.00008	0.00175	..
24.25	0.00090	..	0.00143	..	0.00132	..
27.86	0.00079	..	0.00089	..	0.00101	..
32.00	0.00076	..	0.00040	..	0.00130	..
36.76	0.00080	..	..	..	..	..
42.22	0.00059	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	[illegible]	..	..	..
337.79	..	..	[illegible]	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 119. DIGS, raw data: Station 8-6000, Mission 2000-020

Station	8-6000	8-6000	8-6000	8-6000	8-6000	8-6000
Depth (m)	1	25	50		77	
Time GMT	7:23	7:23	7:23		7:10	
Sampler	niskin	niskin	niskin	niskin	CABLE	slurp
Total SPM	0.60	0.77	0.57		1.33	
Total PPM	0.01672	0.01696	0.03026	..	0.03939	..
Diameter (um)						
0.76	0.00049	0.00050	0.00061	..	0.00095	..
0.87	0.00055	0.00056	0.00069	..	0.00107	..
1.00	0.00060	0.00060	0.00077	..	0.00126	..
1.15	0.00064	0.00066	0.00082	..	0.00143	..
1.32	0.00068	0.00067	0.00088	..	0.00156	..
1.52	0.00070	0.00069	0.00098	..	0.00163	..
1.74	0.00075	0.00077	0.00106	..	0.00169	..
2.00	0.00078	0.00077	0.00117	..	0.00190	..
2.30	0.00081	0.00079	0.00127	..	0.00201	..
2.64	0.00087	0.00078	0.00142	..	0.00194	..
3.03	0.00088	0.00078	0.00143	..	0.00227	..
3.48	0.00084	0.00080	0.00141	..	0.00214	..
4.00	0.00090	0.00079	0.00144	..	0.00205	..
4.59	0.00076	0.00080	0.00150	..	0.00211	..
5.28	0.00081	0.00079	0.00162	..	0.00212	..
6.06	0.00079	0.00077	0.00172	..	0.00204	..
6.96	0.00075	0.00078	0.00182	..	0.00199	..
8.00	0.00066	0.00072	0.00181	..	0.00182	..
9.19	0.00059	0.00062	0.00179	..	0.00166	..
10.56	0.00047	0.00055	0.00147	..	0.00138	..
12.13	0.00052	0.00056	0.00122	..	0.00125	..
13.93	0.00039	0.00054	0.00103	..	0.00093	..
16.00	0.00036	0.00043	0.00068	..	0.00078	..
18.38	0.00025	0.00045	0.00041	..	0.00061	..
21.11	0.00027	0.00035	0.00043	..	0.00039	..
24.25	0.00026	0.00024	0.00027	..	0.00040	..
27.86	0.00035	0.00022	0.00027	..	..	..
32.00	..	..	0.00028	..	..	..
36.76	..	..	..	..	..	..
42.22	..	..	..	..	..	..
48.50	..	..	..	..	..	..
55.72	..	..	..	..	..	..
64.00	..	..	..	..	..	..
73.52	..	..	..	..	..	..
84.45	..	..	..	..	..	..
97.01	..	..	..	..	..	..
111.43	..	..	..	..	..	..
128.00	..	..	..	..	..	..
147.03	..	..	..	..	..	..
168.90	..	..	..	..	..	..
194.01	..	..	..	..	..	..
222.86	..	..	..	..	..	..
256.00	..	..	..	..	..	..
294.07	..	..	..	..	..	..
337.79	..	..	..	..	..	..
388.02	..	..	..	..	..	..
445.72	..	..	..	..	..	..
512.00	..	..	..	..	..	..

Table 120. DIGS, raw data: Station HAS01-01, Mission 2000-020

Station	**HAS01-01**	**HAS01-01**	**HAS01-01**	**HAS01-01**	**HAS01-01**	**HAS01-01**	**HAS01-01**	**HAS01-01**
Water Depth	1	25	50	75	82	-0.15	-0.43	82
Time GMT	23:38	23:38	23:38	23:38	23:12	22:54	22:54	22:37
Sampler	niskin	niskin	niskin	niskin	CABLE	Boss 5-25	Boss 35-50	slurp
Total SPM	0.68	0.77	0.59	0.52	0.77	0.44	0.28	3.93
Total PPM	0.00965	0.01627	0.00448	0.04102	0.03766	0.05682	0.05680	100
Diameter (um)								
0.76	0.00037	0.00047	0.00027	0.00132	0.00152	0.00181	0.00174	3.02
0.87	0.00047	0.00052	0.00031	0.00142	0.00159	0.00187	0.00175	3.29
1.00	0.00056	0.00056	0.00032	0.00155	0.00154	0.00185	0.00177	3.51
1.15	0.00053	0.00059	0.00032	0.00167	0.00140	0.00165	0.00147	3.62
1.32	0.00038	0.00056	0.00028	0.00174	0.00134	0.00162	0.00132	3.74
1.52	0.00032	0.00058	0.00029	0.00181	0.00143	0.00170	0.00134	3.90
1.74	0.00031	0.00059	0.00025	0.00187	0.00152	0.00186	0.00134	3.99
2.00	0.00032	0.00060	0.00026	0.00195	0.00139	0.00201	0.00154	3.99
2.30	0.00035	0.00067	0.00032	0.00210	0.00153	0.00202	0.00159	3.94
2.64	0.00036	0.00066	0.00030	0.00208	0.00165	0.00218	0.00175	4.03
3.03	0.00037	0.00065	0.00031	0.00216	0.00165	0.00238	0.00197	3.62
3.48	0.00039	0.00070	0.00023	0.00227	0.00193	0.00245	0.00177	3.42
4.00	0.00038	0.00067	0.00021	0.00223	0.00193	0.00233	0.00187	4.22
4.59	0.00043	0.00072	0.00015	0.00208	0.00221	0.00237	0.00257	3.73
5.28	0.00048	0.00074	0.00012	0.00209	0.00208	0.00242	0.00242	3.63
6.06	0.00054	0.00075	0.00012	0.00215	0.00197	0.00246	0.00262	3.64
6.96	0.00057	0.00082	0.00010	0.00211	0.00185	0.00249	0.00301	3.66
8.00	0.00056	0.00081	0.00009	0.00194	0.00189	0.00279	0.00344	3.72
9.19	0.00056	0.00080	0.00008	0.00171	0.00164	0.00292	0.00381	3.66
10.56	0.00047	0.00063	0.00007	0.00141	0.00150	0.00345	0.00436	3.69
12.13	0.00038	0.00062	0.00005	0.00108	0.00123	0.00351	0.00371	3.61
13.93	0.00017	0.00041	0.00003	0.00078	0.00100	0.00315	0.00355	3.37
16.00	0.00014	0.00041	..	0.00051	0.00092	0.00268	0.00241	3.10
18.38	0.00013	0.00033	..	0.00040	0.00052	0.00160	0.00222	3.05
21.11	0.00011	0.00032	..	0.00017	0.00042	0.00075	0.00087	2.77
24.25	..	0.00038	..	0.00018	..	0.00050	0.00060	2.47
27.86	..	0.00029	..	0.00024	..	..	..	2.19
32.00	..	0.00041	..	..	..	..	..	1.88
36.76	..	..	..	..	..	..	..	2.09
42.22	..	..	..	..	..	..	..	1.43
48.50	..	..	..	..	..	..	..	..
55.72	..	..	..	..	..	..	..	..
64.00	..	..	..	..	..	..	..	..
73.52	..	..	..	..	..	..	..	..
84.45	..	..	..	..	..	..	..	..
97.01	..	..	..	..	..	..	..	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

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Table 121. DIGS, raw data: Station HAS01-02, Mission 2000-020

Station	**HAS01-02**	**HAS01-02**	**HAS01-02**	**HAS01-02**	**HAS01-02**	**HAS01-02**	**HAS01-02**	**HAS01-02**
Water Depth	1	25	50	75	82	-0.15	-0.43	82
Time GMT	1:15	1:15	1:15	1:15	1:52	..	0:57	0:40
Sampler	niskin	niskin	niskin	niskin	CABLE	Boss 5-25	Boss 35-50	slurp
Total SPM	0.42	0.31	1.07	0.53	0.54	..	31.37	55.38
Total PPM	0.00320	0.00392	0.00964	0.04276	0.04166	..	0.21469	100
Diameter (um)								
0.76	0.00017	0.00017	0.00048	0.00150	0.00164	..	0.00383	1.81
0.87	0.00015	0.00022	0.00048	0.00160	0.00159	..	0.00420	2.16
1.00	0.00013	0.00024	0.00049	0.00175	0.00165	..	0.00448	2.54
1.15	0.00011	0.00026	0.00049	0.00184	0.00173	..	0.00482	2.93
1.32	0.00009	0.00022	0.00048	0.00196	0.00183	..	0.00515	3.33
1.52	0.00009	0.00022	0.00045	0.00204	0.00188	..	0.00547	3.75
1.74	0.00009	0.00024	0.00047	0.00212	0.00196	..	0.00574	4.14
2.00	0.00010	0.00030	0.00045	0.00224	0.00198	..	0.00606	4.43
2.30	0.00011	0.00028	0.00047	0.00222	0.00207	..	0.00649	4.57
2.64	0.00012	0.00028	0.00041	0.00227	0.00211	..	0.00690	4.58
3.03	0.00011	0.00033	0.00044	0.00234	0.00208	..	0.00754	4.69
3.48	0.00015	0.00018	0.00044	0.00200	0.00210	..	0.00757	3.97
4.00	0.00015	0.00016	0.00036	0.00219	0.00237	..	0.00738	4.12
4.59	0.00015	0.00011	0.00043	0.00229	0.00210	..	0.00749	3.86
5.28	0.00015	0.00010	0.00040	0.00213	0.00195	..	0.00773	3.89
6.06	0.00017	0.00010	0.00038	0.00205	0.00190	..	0.00847	3.95
6.96	0.00019	0.00009	0.00035	0.00197	0.00181	..	0.00894	3.96
8.00	0.00019	0.00008	0.00031	0.00179	0.00170	..	0.00973	3.89
9.19	0.00020	0.00008	0.00030	0.00163	0.00146	..	0.01092	3.76
10.56	0.00021	0.00006	0.00025	0.00134	0.00135	..	0.01320	3.87
12.13	0.00016	0.00007	0.00024	0.00105	0.00102	..	0.01414	3.63
13.93	0.00007	0.00006	0.00019	0.00082	0.00085	..	0.01499	3.57
16.00	0.00009	0.00006	0.00011	0.00057	0.00068	..	0.01528	3.82
18.38	0.00005	..	0.00014	0.00039	0.00050	..	0.01191	3.07
21.11	..	..	0.00022	0.00042	0.00049	..	0.00692	3.04
24.25	..	..	0.00020	0.00024	0.00045	..	0.00457	2.41
27.86	..	..	0.00019	..	0.00042	..	0.00313	2.13
32.00	..	..	..	..	..	..	0.00164	1.79
36.76	..	..	..	..	..	..	..	1.28
42.22	..	..	..	..	..	..	..	1.06
48.50	..	..	..	..	..	..	..	..
55.72	..	..	..	..	..	..	..	..
64.00	..	..	..	..	..	..	..	..
73.52	..	..	..	..	..	..	..	..
84.45	..	..	..	..	..	..	..	..
97.01	..	..	..	..	..	..	..	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 122. DIGS, raw data: Station HAS01-03, Mission 2000-020

Station	**HAS01-03**	**HAS01-03**	**HAS01-03**	**HAS01-03**	**HAS01-03**	**HAS01-03**	**HAS01-03**	**HAS01-03**
Water Depth	1	25	50	75	82	-0.15	-0.43	82
Time GMT	3:49	3:49	3:49	3:49	3:32	3:02	3:02	2:39
Sampler	niskin	niskin	niskin	niskin	CABLE	Boss 5-25	Boss 35-50	slurp
Total SPM	0.15	0.16	0.71	0.17	0.22	2.13	0.91	52.24
Total PPM	0.00448	0.00870	0.01235	0.03852	0.01816	0.58426	0.25411	100
Diameter (um)								
0.76	0.00020	0.00047	0.00063	0.00141	0.00078	0.01023	0.00559	2.61
0.87	0.00019	0.00047	0.00062	0.00153	0.00080	0.01072	0.00574	2.69
1.00	0.00016	0.00040	0.00059	0.00173	0.00076	0.01140	0.00602	2.83
1.15	0.00013	0.00038	0.00054	0.00180	0.00076	0.01233	0.00607	2.89
1.32	0.00013	0.00036	0.00054	0.00177	0.00077	0.01337	0.00628	2.94
1.52	0.00015	0.00037	0.00056	0.00190	0.00084	0.01440	0.00647	2.96
1.74	0.00014	0.00036	0.00056	0.00190	0.00084	0.01554	0.00668	3.04
2.00	0.00016	0.00037	0.00060	0.00194	0.00087	0.01676	0.00660	3.05
2.30	0.00018	0.00045	0.00061	0.00198	0.00087	0.01809	0.00718	3.04
2.64	0.00022	0.00044	0.00062	0.00202	0.00085	0.01903	0.00762	3.09
3.03	0.00020	0.00046	0.00062	0.00210	0.00085	0.02074	0.00761	3.26
3.48	0.00027	0.00056	0.00063	0.00196	0.00101	0.02025	0.00791	3.20
4.00	0.00022	0.00047	0.00055	0.00226	0.00095	0.02464	0.00860	3.13
4.59	0.00029	0.00039	0.00062	0.00214	0.00101	0.02635	0.00938	3.33
5.28	0.00029	0.00045	0.00059	0.00196	0.00092	0.02760	0.01039	3.38
6.06	0.00029	0.00043	0.00058	0.00182	0.00086	0.02912	0.01194	3.53
6.96	0.00028	0.00042	0.00050	0.00161	0.00085	0.03083	0.01374	3.77
8.00	0.00024	0.00036	0.00046	0.00143	0.00068	0.03140	0.01582	3.87
9.19	0.00021	0.00028	0.00041	0.00121	0.00063	0.03182	0.01730	4.05
10.56	0.00019	0.00024	0.00035	0.00097	0.00051	0.03238	0.01946	4.36
12.13	0.00013	0.00014	0.00027	0.00083	0.00039	0.03070	0.01761	4.38
13.93	0.00011	0.00012	0.00021	0.00065	0.00030	0.02819	0.01521	4.34
16.00	0.00006	0.00014	0.00015	0.00046	0.00028	0.02393	0.01157	4.26
18.38	0.00006	0.00010	0.00018	0.00036	0.00023	0.02133	0.00849	4.06
21.11	..	0.00009	0.00021	0.00026	0.00028	0.01531	0.00611	4.10
24.25	..	..	0.00015	0.00027	0.00027	0.01241	0.00355	3.58
27.86	..	..	..	0.00024	..	0.01070	0.00264	3.31
32.00	..	..	..	..	..	0.00671	0.00253	2.38
36.76	..	..	..	..	..	0.00628	..	2.19
42.22	..	..	..	..	..	0.00545	..	1.32
48.50	..	..	..	..	..	0.00621	..	1.05
55.72	..	..	..	..	..	..	..	..
64.00	..	..	..	..	..	..	..	..
73.52	..	..	..	..	..	..	..	..
84.45	..	..	..	..	..	..	..	..
97.01	..	..	..	..	..	..	..	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 123. DIGS, raw data: Station HAS01-04, Mission 2000-020

Station	HAS01-04	HAS01-04	HAS01-04	HAS01-04	HAS01-04	HAS01-04	HAS01-04	HAS01-04
Water Depth	1	25	50	75	82	-0.15	-0.43	82
Time GMT	5:26	5:26	5:26	5:26	5:52	5:06	5:06	4:46
Sampler	niskin	niskin	niskin	niskin	CABLE	Boss 5-25	Boss 35-50	slurp
Total SPM	0.09	0.13	0.22	0.41	1.95	4.26	9.79	0.41
Total PPM	0.00876	0.00531	0.01091	0.05910	0.07586	0.66397	0.14273	100
Diameter (um)								
0.76	0.00021	0.00012	0.00035	0.00255	0.00300	0.01345	0.00268	2.58
0.87	0.00023	0.00014	0.00037	0.00267	0.00312	0.01399	0.00287	2.74
1.00	0.00028	0.00016	0.00042	0.00286	0.00333	0.01511	0.00327	3.00
1.15	0.00030	0.00020	0.00048	0.00300	0.00355	0.01627	0.00354	3.23
1.32	0.00032	0.00019	0.00050	0.00311	0.00364	0.01736	0.00357	3.32
1.52	0.00033	0.00018	0.00050	0.00321	0.00365	0.01827	0.00354	3.47
1.74	0.00034	0.00021	0.00051	0.00330	0.00378	0.01924	0.00363	3.51
2.00	0.00037	0.00023	0.00053	0.00337	0.00386	0.02055	0.00356	3.62
2.30	0.00042	0.00025	0.00056	0.00336	0.00382	0.02170	0.00375	3.62
2.64	0.00043	0.00020	0.00059	0.00341	0.00404	0.02292	0.00388	3.67
3.03	0.00052	0.00031	0.00057	0.00348	0.00394	0.02358	0.00374	3.86
3.48	0.00048	0.00025	0.00062	0.00337	0.00361	0.02256	0.00458	3.67
4.00	0.00045	0.00025	0.00058	0.00305	0.00381	0.02675	0.00396	3.51
4.59	0.00052	0.00036	0.00054	0.00328	0.00386	0.02906	0.00399	3.86
5.28	0.00052	0.00032	0.00050	0.00284	0.00356	0.02931	0.00427	3.69
6.06	0.00053	0.00030	0.00048	0.00249	0.00329	0.03053	0.00463	3.83
6.96	0.00052	0.00030	0.00043	0.00208	0.00299	0.03260	0.00521	3.82
8.00	0.00050	0.00026	0.00039	0.00172	0.00262	0.03417	0.00563	3.95
9.19	0.00039	0.00022	0.00039	0.00142	0.00245	0.03615	0.00697	3.92
10.56	0.00034	0.00018	0.00033	0.00121	0.00223	0.03716	0.00863	3.97
12.13	0.00025	0.00016	0.00029	0.00090	0.00183	0.03537	0.01018	3.90
13.93	0.00017	0.00009	0.00030	0.00069	0.00137	0.03329	0.01082	3.85
16.00	0.00012	0.00006	0.00026	0.00059	0.00120	0.02834	0.01107	3.65
18.38	0.00015	0.00012	0.00030	0.00043	0.00088	0.02176	0.00933	3.13
21.11	0.00010	0.00009	0.00012	0.00023	0.00086	0.01427	0.00595	2.88
24.25	..	0.00015	..	0.00024	0.00085	0.01174	0.00453	2.55
27.86	..	..	..	0.00024	0.00071	0.00956	0.00352	2.69
32.00	..	..	..	..	..	0.01052	0.00142	1.53
36.76	..	..	..	..	..	0.00702	..	1.60
42.22	..	..	..	..	..	0.00765	..	1.46
48.50	..	..	..	..	..	0.00374	..	0.91
55.72	..	..	..	..	..	..	..	0.99
64.00	..	..	..	..	..	..	..	..
73.52	..	..	..	..	..	..	..	..
84.45	..	..	..	..	..	..	..	..
97.01	..	..	..	..	..	..	..	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 124. DIGS, raw data: Station HAS01-05, Mission 2000-020

Station	HAS01-05	HAS01-05	HAS01-05	HAS01-05	HAS01-05	HAS01-05	HAS01-05	HAS01-05
Water Depth	1	25	50	75	82	-0.15	-0.43	82
Time GMT	8:03	8:03	8:03	8:03	7:50	6:54	6:54	6:38
Sampler	niskin	niskin	niskin	niskin	CABLE	Boss 5-25	Boss 35-50	slurp
Total SPM	0.52	1.50	0.66	0.94	4.12	5.31	5.56	9.2
Total PPM	0.00495	0.00890	0.03044	0.08103	0.06959	0.67223	0.72192	100
Diameter (um)								
0.76	0.00051	0.00027	0.00114	0.00390	0.00377	0.02066	0.02340	2.53
0.87	0.00043	0.00027	0.00117	0.00373	0.00353	0.02000	0.02359	2.60
1.00	0.00025	0.00026	0.00123	0.00373	0.00331	0.02058	0.02398	2.72
1.15	0.00017	0.00027	0.00125	0.00372	0.00318	0.02048	0.02421	2.78
1.32	0.00017	0.00029	0.00123	0.00371	0.00320	0.02123	0.02540	2.87
1.52	0.00017	0.00029	0.00127	0.00364	0.00326	0.02245	0.02509	2.83
1.74	0.00022	0.00032	0.00126	0.00363	0.00321	0.02326	0.02717	2.85
2.00	0.00020	0.00031	0.00126	0.00359	0.00333	0.02522	0.02696	3.06
2.30	0.00020	0.00035	0.00136	0.00377	0.00332	0.02607	0.02775	2.98
2.64	0.00023	0.00038	0.00139	0.00386	0.00372	0.02745	0.03094	2.99
3.03	0.00026	0.00032	0.00141	0.00403	0.00366	0.02844	0.03102	3.26
3.48	0.00018	0.00038	0.00135	0.00383	0.00366	0.02781	0.02893	3.24
4.00	0.00020	0.00031	0.00149	0.00393	0.00365	0.03420	0.03452	3.48
4.59	0.00021	0.00049	0.00163	0.00376	0.00371	0.02791	0.03237	3.58
5.28	0.00020	0.00050	0.00149	0.00370	0.00328	0.02769	0.03140	3.67
6.06	0.00020	0.00051	0.00142	0.00327	0.00296	0.02810	0.03160	3.84
6.96	0.00020	0.00050	0.00130	0.00284	0.00268	0.02828	0.03101	3.94
8.00	0.00020	0.00048	0.00121	0.00266	0.00239	0.02840	0.03087	4.17
9.19	0.00018	0.00046	0.00118	0.00239	0.00196	0.02783	0.02914	4.05
10.56	0.00016	0.00043	0.00102	0.00206	0.00176	0.02701	0.02858	3.97
12.13	0.00015	0.00030	0.00102	0.00192	0.00137	0.02514	0.02571	4.18
13.93	0.00010	0.00032	0.00077	0.00167	0.00112	0.02408	0.02345	3.74
16.00	0.00006	0.00016	0.00061	0.00144	0.00085	0.01932	0.02013	3.82
18.38	0.00009	0.00025	0.00062	0.00118	0.00083	0.01847	0.01679	3.90
21.11	..	0.00030	0.00058	0.00125	0.00061	0.01360	0.01374	3.50
24.25	..	0.00017	0.00046	0.00082	0.00056	0.01229	0.01210	3.10
27.86	..	..	0.00031	0.00052	0.00037	0.01224	0.01176	2.83
32.00	..	..	..	0.00070	0.00036	0.00794	0.00776	2.68
36.76	..	..	..	0.00080	..	0.01126	0.00790	2.12
42.22	..	..	..	0.00097	..	0.00765	0.00629	2.10
48.50	..	..	..	..	..	0.00717	0.00836	1.02
55.72	..	..	..	..	..	..	..	1.59
64.00	..	..	..	..	..	..	..	..
73.52	..	..	..	..	..	..	..	..
84.45	..	..	..	..	..	..	..	..
97.01	..	..	..	..	..	..	..	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 125. DIGS, raw data: Station HAS01-06, Mission 2000-020

Station	**HAS01-06**	**HAS01-06**	**HAS01-06**	**HAS01-06**	**HAS01-06**	**HAS01-06**	**HAS01-06**	**HAS01-06**
Water Depth	1	25	50	75	82	-0.15	-0.43	82
Time GMT	9:18	9:18	9:18	9:18	9:24	8:53	8:53	8:37
Sampler	niskin	niskin	niskin	niskin	CABLE	Boss 5-25	Boss 35-50	slurp
Total SPM	1.10	0.19	0.51	0.56	1.83	17.24	4.21	3.24
Total PPM	0.01191	0.00729	0.01610	0.07369	0.10370	0.81739	0.41654	100
Diameter (um)								
0.76	0.00123	0.00072	0.00113	0.00435	0.00490	0.01892	0.00953	4.44
0.87	0.00125	0.00059	0.00107	0.00437	0.00489	0.01879	0.00962	4.87
1.00	0.00102	0.00039	0.00087	0.00426	0.00488	0.01879	0.00989	4.59
1.15	0.00078	0.00031	0.00077	0.00419	0.00493	0.01960	0.01005	4.07
1.32	0.00065	0.00030	0.00073	0.00419	0.00509	0.02131	0.01103	3.99
1.52	0.00058	0.00030	0.00072	0.00419	0.00524	0.02258	0.01139	3.88
1.74	0.00048	0.00029	0.00077	0.00417	0.00540	0.02518	0.01199	3.94
2.00	0.00044	0.00031	0.00074	0.00414	0.00538	0.02588	0.01195	3.90
2.30	0.00042	0.00030	0.00074	0.00402	0.00533	0.02861	0.01272	3.83
2.64	0.00045	0.00035	0.00073	0.00385	0.00544	0.03006	0.01418	4.01
3.03	0.00039	0.00031	0.00076	0.00371	0.00525	0.03338	0.01296	3.57
3.48	0.00048	0.00028	0.00073	0.00371	0.00487	0.03275	0.01430	3.46
4.00	0.00035	0.00033	0.00066	0.00317	0.00477	0.03515	0.01378	3.55
4.59	0.00040	0.00021	0.00061	0.00291	0.00479	0.03767	0.01342	3.23
5.28	0.00034	0.00026	0.00058	0.00256	0.00436	0.03862	0.01400	3.05
6.06	0.00035	0.00024	0.00057	0.00229	0.00401	0.04082	0.01512	3.03
6.96	0.00036	0.00024	0.00051	0.00206	0.00362	0.04360	0.01659	2.99
8.00	0.00032	0.00023	0.00052	0.00184	0.00320	0.04490	0.01878	2.94
9.19	0.00030	0.00025	0.00046	0.00163	0.00276	0.04654	0.02072	2.92
10.56	0.00028	0.00027	0.00050	0.00144	0.00239	0.04589	0.02380	3.00
12.13	0.00026	0.00020	0.00048	0.00115	0.00193	0.04471	0.02563	2.98
13.93	0.00025	0.00019	0.00044	0.00121	0.00173	0.03853	0.02536	3.04
16.00	0.00014	0.00014	0.00034	0.00107	0.00142	0.03374	0.02344	3.08
18.38	0.00016	0.00011	0.00030	0.00077	0.00121	0.02388	0.01963	3.16
21.11	0.00024	0.00017	0.00019	0.00061	0.00112	0.01524	0.01213	2.69
24.25	..	..	0.00017	0.00080	0.00093	0.00953	0.01096	2.36
27.86	..	..	..	0.00063	0.00088	0.01013	0.00789	2.37
32.00	..	..	..	0.00042	0.00087	0.00776	0.00635	1.95
36.76	..	..	..	..	0.00086	0.00483	0.00433	1.50
42.22	..	..	..	..	0.00125	..	0.00499	1.03
48.50	..	..	..	..	..	..	..	1.23
55.72	..	..	..	..	..	..	..	1.36
64.00	..	..	..	..	..	..	..	..
73.52	..	..	..	..	..	..	..	..
84.45	..	..	..	..	..	..	..	..
97.01	..	..	..	..	..	..	..	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 126. DIGS, raw data: Station HAS01-07, Mission 2000-020

Station	HAS01-07	HAS01-07	HAS01-07	HAS01-07	HAS01-07	HAS01-07	HAS01-07	HAS01-07
Water Depth	1	25	50	75	82	-0.15	-0.43	82
Time GMT	..	..	..	..	..	n/a	n/a	10:37
Sampler	niskin	niskin	niskin	niskin	CABLE	Boss 5-25	Boss 35-50	slurp
Total SPM	..	..	..	..	..	0.26690	0.23290	0.27361
Total PPM	..	..	..	..	..	0.26690	0.23290	100
Diameter (um)								
0.76	..	..	..	..	..	0.00827	0.00473	3.01
0.87	..	..	..	..	..	0.00913	0.00524	3.07
1.00	..	..	..	..	..	0.00796	0.00522	3.14
1.15	..	..	..	..	..	0.00643	0.00521	3.19
1.32	..	..	..	..	..	0.00588	0.00497	3.28
1.52	..	..	..	..	..	0.00602	0.00489	3.34
1.74	..	..	..	..	..	0.00597	0.00483	3.42
2.00	..	..	..	..	..	0.00606	0.00490	3.43
2.30	..	..	..	..	..	0.00652	0.00501	3.38
2.64	..	..	..	..	..	0.00671	0.00510	3.61
3.03	..	..	..	..	..	0.00690	0.00541	3.72
3.48	..	..	..	..	..	0.00691	0.00560	3.65
4.00	..	..	..	..	..	0.00729	0.00619	3.81
4.59	..	..	..	..	..	0.00818	0.00675	3.69
5.28	..	..	..	..	..	0.00830	0.00708	3.56
6.06	..	..	..	..	..	0.00887	0.00734	3.52
6.96	..	..	..	..	..	0.00973	0.00849	3.37
8.00	..	..	..	..	..	0.01071	0.01006	3.31
9.19	..	..	..	..	..	0.01254	0.01227	3.19
10.56	..	..	..	..	..	0.01457	0.01586	3.18
12.13	..	..	..	..	..	0.01801	0.01987	3.17
13.93	..	..	..	..	..	0.02093	0.02180	3.40
16.00	..	..	..	..	..	0.02078	0.01991	3.44
18.38	..	..	..	..	..	0.01844	0.01544	3.43
21.11	..	..	..	..	..	0.01114	0.00725	2.95
24.25	..	..	..	..	..	0.00649	0.00498	3.09
27.86	..	..	..	..	..	0.00398	0.00290	2.79
32.00	..	..	..	..	..	0.00193	0.00281	1.96
36.76	..	..	..	..	..	0.00225	0.00277	2.14
42.22	..	..	..	..	..	..	..	2.12
48.50	..	..	..	..	..	..	..	1.99
55.72	..	..	..	..	..	..	..	1.67
64.00	..	..	..	..	..	..	..	..
73.52	..	..	..	..	..	..	..	..
84.45	..	..	..	..	..	..	..	..
97.01	..	..	..	..	..	..	..	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 127. DIGS, raw data: Station HAS01-08, Mission 2000-020

Station	HAS01-08	HAS01-08	HAS01-08	HAS01-08	HAS01-08	HAS01-08	HAS01-08	HAS01-08
Water Depth	1	25	50	75	82	-0.15	-0.43	82
Time GMT	..	13:44	..	13:44	13:20	12:52	12:52	12:37
Sampler	niskin	niskin	niskin	niskin	CABLE	Boss 5-25	Boss 35-50	slurp
Total SPM	..	0.00722	..	0.03010	0.05009	0.26481	0.29090	1.24296
Total PPM	..	0.00722	..	0.03010	0.05009	0.26481	0.29090	100
Diameter (um)								
0.76	..	0.00035	..	0.00153	0.00214	0.00662	0.00533	3.38
0.87	..	0.00039	..	0.00165	0.00217	0.00694	0.00558	3.27
1.00	..	0.00036	..	0.00174	0.00222	0.00728	0.00554	3.31
1.15	..	0.00031	..	0.00172	0.00221	0.00747	0.00541	3.27
1.32	..	0.00028	..	0.00179	0.00227	0.00771	0.00534	3.28
1.52	..	0.00025	..	0.00180	0.00229	0.00796	0.00544	3.32
1.74	..	0.00027	..	0.00178	0.00229	0.00824	0.00545	3.35
2.00	..	0.00027	..	0.00170	0.00236	0.00831	0.00548	3.41
2.30	..	0.00027	..	0.00165	0.00236	0.00818	0.00545	3.74
2.64	..	0.00023	..	0.00164	0.00251	0.00839	0.00575	3.82
3.03	..	0.00028	..	0.00150	0.00260	0.00919	0.00649	4.04
3.48	..	0.00025	..	0.00146	0.00276	0.00791	0.00634	4.21
4.00	..	0.00028	..	0.00133	0.00231	0.01027	0.00644	4.19
4.59	..	0.00023	..	0.00130	0.00238	0.01089	0.00792	4.65
5.28	..	0.00024	..	0.00114	0.00216	0.01052	0.00844	4.71
6.06	..	0.00022	..	0.00108	0.00206	0.01047	0.00931	4.50
6.96	..	0.00020	..	0.00097	0.00193	0.01131	0.01071	4.54
8.00	..	0.00020	..	0.00086	0.00179	0.01249	0.01204	4.54
9.19	..	0.00019	..	0.00077	0.00169	0.01364	0.01405	4.49
10.56	..	0.00019	..	0.00062	0.00156	0.01618	0.01744	4.19
12.13	..	0.00020	..	0.00055	0.00146	0.01762	0.02089	3.91
13.93	..	0.00023	..	0.00048	0.00121	0.01715	0.02575	3.45
16.00	..	0.00017	..	0.00038	0.00107	0.01499	0.02636	3.08
18.38	..	0.00021	..	0.00027	0.00070	0.01087	0.02302	2.63
21.11	..	0.00024	..	0.00024	0.00059	0.00602	0.01884	2.25
24.25	..	0.00032	..	0.00015	0.00062	0.00445	0.01135	1.55
27.86	..	0.00026	..	..	0.00038	0.00188	0.00565	1.46
32.00	..	0.00035	..	..	..	0.00187	0.00297	0.96
36.76	..	..	..	..	..	..	0.00214	0.95
42.22	..	..	..	..	..	..	..	0.75
48.50	..	..	..	..	..	..	..	0.79
55.72	..	..	..	..	..	..	..	..
64.00	..	..	..	..	..	..	..	..
73.52	..	..	..	..	..	..	..	..
84.45	..	..	..	..	..	..	..	..
97.01	..	..	..	..	..	..	..	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 128. DIGS, raw data: Station HAS01-09, Mission 2000-020

Station	**HAS01-09**	**HAS01-09**	**HAS01-09**	**HAS01-09**	**HAS01-09**	**HAS01-09**	**HAS01-09**	**HAS01-09**
Water Depth	1	25	50	75	82	-0.15	-0.43	82
Time GMT	15:14	15:14	15:14	15:14	15:49	14:57	14:57	14:39
Sampler	niskin	niskin	niskin	niskin	CABLE	Boss 5-25	Boss 35-50	slurp
Total SPM	0.33	0.17	0.47	0.40	0.25	5.79	4.91	2.84
Total PPM	0.00909	0.00382	0.01977	0.03684	0.04803	0.40460	0.28494	100
Diameter (um)								
0.76	0.00068	0.00045	0.00106	0.00206	0.00261	0.00737	0.00653	2.45
0.87	0.00043	0.00031	0.00087	0.00181	0.00238	0.00685	0.00553	2.38
1.00	0.00024	0.00019	0.00070	0.00168	0.00223	0.00652	0.00425	2.33
1.15	0.00019	0.00015	0.00065	0.00171	0.00226	0.00675	0.00386	2.37
1.32	0.00018	0.00016	0.00068	0.00185	0.00245	0.00713	0.00371	2.41
1.52	0.00019	0.00014	0.00069	0.00186	0.00255	0.00762	0.00371	2.50
1.74	0.00018	0.00013	0.00069	0.00188	0.00254	0.00812	0.00389	2.54
2.00	0.00019	0.00014	0.00071	0.00200	0.00262	0.00856	0.00415	2.63
2.30	0.00019	0.00012	0.00072	0.00188	0.00269	0.00943	0.00461	2.81
2.64	0.00021	0.00015	0.00072	0.00204	0.00267	0.01010	0.00490	2.83
3.03	0.00025	0.00012	0.00078	0.00201	0.00258	0.01099	0.00489	3.06
3.48	0.00027	0.00013	0.00079	0.00198	0.00250	0.01170	0.00536	3.03
4.00	0.00023	0.00018	0.00085	0.00203	0.00240	0.01226	0.00620	3.12
4.59	0.00035	0.00018	0.00085	0.00177	0.00221	0.01388	0.00687	3.19
5.28	0.00039	0.00017	0.00085	0.00165	0.00200	0.01480	0.00741	3.17
6.06	0.00043	0.00015	0.00085	0.00153	0.00177	0.01611	0.00859	3.29
6.96	0.00046	0.00014	0.00087	0.00141	0.00164	0.01773	0.00975	3.40
8.00	0.00049	0.00013	0.00086	0.00121	0.00138	0.02021	0.01177	3.51
9.19	0.00049	0.00012	0.00092	0.00112	0.00131	0.02193	0.01514	3.54
10.56	0.00036	0.00010	0.00083	0.00091	0.00113	0.02475	0.01916	3.61
12.13	0.00037	0.00012	0.00084	0.00071	0.00096	0.02635	0.02474	3.58
13.93	0.00017	0.00011	0.00090	0.00068	0.00087	0.02873	0.02857	3.52
16.00	0.00021	0.00009	0.00073	0.00036	0.00056	0.02996	0.03231	3.43
18.38	0.00022	0.00007	0.00056	0.00033	0.00050	0.02771	0.02820	3.29
21.11	0.00016	0.00008	0.00038	0.00016	0.00043	0.02269	0.01754	3.31
24.25	0.00024	..	0.00042	0.00024	0.00040	0.01167	0.00838	2.89
27.86	0.00038	..	..	..	0.00037	0.00587	0.00333	3.04
32.00	0.00051	..	..	..	..	0.00321	0.00161	3.23
36.76	0.00043	..	..	..	..	0.00285	..	2.83
42.22	..	..	..	..	..	0.00273	..	3.16
48.50	..	..	..	..	..	..	..	2.29
55.72	..	..	..	..	..	..	..	2.69
64.00	..	..	..	..	..	..	..	1.90
73.52	..	..	..	..	..	..	..	1.67
84.45	..	..	..	..	..	..	..	1.04
97.01	..	..	..	..	..	..	..	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 129. DIGS, raw data: Station HAS01-10, Mission 2000-020

Station	**HAS01-10**	**HAS01-10**	**HAS01-10**	**HAS01-10**	**HAS01-10**	**HAS01-10**	**HAS01-10**	**HAS01-10**
Water Depth	1	25	50	75	82	-0.15	-0.43	82
Time GMT	17:45	17:45	17:45	17:45	17:14	16:54	16:54	16:37
Sampler	niskin	niskin	niskin	niskin	CABLE	Boss 5-25	Boss 35-50	slurp
Total SPM	0.66	0.96	3.35	0.64	2.02	27.00	8.46	29.78
Total PPM	0.01734	0.02051	0.01820	0.04616	0.06003	0.61448	0.21940	100
Diameter (um)								
0.76	0.00038		0.00077	0.00215	0.00245	0.01942	0.00410	3.18
0.87	0.00039	0.00037	0.00076	0.00212	0.00250	0.01967	0.00405	2.98
1.00	0.00042	0.00038	0.00079	0.00216	0.00264	0.02046	0.00410	2.90
1.15	0.00042	0.00043	0.00083	0.00221	0.00285	0.02145	0.00429	2.91
1.32	0.00042	0.00042	0.00082	0.00227	0.00295	0.02193	0.00431	3.01
1.52	0.00043	0.00044	0.00081	0.00229	0.00299	0.02167	0.00440	3.13
1.74	0.00043	0.00049	0.00089	0.00236	0.00309	0.02247	0.00441	3.16
2.00	0.00045	0.00052	0.00090	0.00234	0.00314	0.02287	0.00464	3.15
2.30	0.00046	0.00050	0.00092	0.00238	0.00296	0.02352	0.00492	3.24
2.64	0.00055	0.00063	0.00084	0.00249	0.00310	0.02373	0.00481	3.44
3.03	0.00053	0.00063	0.00092	0.00255	0.00297	0.02512	0.00520	3.75
3.48	0.00054	0.00071	0.00094	0.00225	0.00296	0.02417	0.00546	3.64
4.00	0.00065	0.00071	0.00087	0.00250	0.00302	0.02715	0.00605	3.62
4.59	0.00068	0.00078	0.00086	0.00245	0.00259	0.02733	0.00670	4.16
5.28	0.00076	0.00079	0.00084	0.00225	0.00236	0.02697	0.00752	4.17
6.06	0.00091	0.00091	0.00079	0.00200	0.00226	0.02787	0.00856	4.32
6.96	0.00098	0.00107	0.00074	0.00180	0.00211	0.02837	0.01018	4.44
8.00	0.00115	0.00129	0.00068	0.00155	0.00200	0.02866	0.01223	4.45
9.19	0.00117	0.00157	0.00057	0.00127	0.00184	0.02898	0.01488	4.46
10.56	0.00112	0.00162	0.00046	0.00113	0.00172	0.02815	0.01746	4.29
12.13	0.00101	0.00182	0.00043	0.00085	0.00156	0.02635	0.02008	4.15
13.93	0.00081	0.00158	0.00037	0.00080	0.00158	0.02221	0.01842	3.83
16.00	0.00085	0.00129	0.00035	0.00066	0.00121	0.01768	0.01587	3.28
18.38	0.00069	0.00074	0.00039	0.00041	0.00100	0.01332	0.01143	3.16
21.11	0.00052	0.00056	0.00022	0.00040	0.00086	0.01034	0.00733	2.43
24.25	0.00034	0.00024	0.00023	0.00036	0.00073	0.00829	0.00341	2.63
27.86	0.00027	..	0.00022	0.00018	0.00058	0.00660	0.00255	1.93
32.00	..	..	..	..	..	0.00877	0.00203	2.52
36.76	..	..	..	..	..	0.00596	..	1.77
42.22	..	..	..	..	..	0.00499	..	1.25
48.50	..	..	..	..	..	..	..	0.64
55.72	..	..	..	..	..	..	..	..
64.00	..	..	..	..	..	..	..	..
73.52	..	..	..	..	..	..	..	..
84.45	..	..	..	..	..	..	..	..
97.01	..	..	..	..	..	..	..	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 130. DIGS, raw data: Station HAS01-11, Mission 2000-020

Station	HAS01-11	HAS01-11	HAS01-11	HAS01-11	HAS01-11	HAS01-11	HAS01-11	HAS01-11
Water Depth	1	25	50	75	82	-0.15	-0.43	82
Time GMT	19:16	19:16	19:16	19:16	19:54	18:59	18:59	18:38
Sampler	niskin	niskin	niskin	niskin	CABLE	Boss 5-25	Boss 35-50	slurp
Total SPM	0.32	0.26	0.96	1.07	0.46	9.64	29.41	10.23
Total PPM	0.00954	0.01291	0.02657	0.04704	0.02113	0.31122	0.13896	100
Diameter (um)								
0.76	0.00039	0.00029	0.00072	0.00203	0.00105	0.00616	0.00166	3.00
0.87	0.00040	0.00032	0.00076	0.00211	0.00109	0.00632	0.00178	2.99
1.00	0.00040	0.00032	0.00077	0.00216	0.00110	0.00665	0.00199	3.02
1.15	0.00039	0.00030	0.00078	0.00220	0.00112	0.00701	0.00212	3.08
1.32	0.00038	0.00032	0.00083	0.00229	0.00116	0.00713	0.00210	3.13
1.52	0.00035	0.00032	0.00085	0.00233	0.00115	0.00730	0.00211	3.28
1.74	0.00038	0.00030	0.00083	0.00243	0.00114	0.00789	0.00220	3.27
2.00	0.00039	0.00036	0.00092	0.00235	0.00110	0.00820	0.00248	3.43
2.30	0.00041	0.00037	0.00095	0.00253	0.00120	0.00894	0.00245	3.43
2.64	0.00040	0.00044	0.00095	0.00257	0.00111	0.00942	0.00262	3.61
3.03	0.00055	0.00044	0.00099	0.00253	0.00115	0.01000	0.00277	3.68
3.48	0.00045	0.00044	0.00090	0.00231	0.00106	0.01021	0.00342	3.75
4.00	0.00056	0.00050	0.00100	0.00252	0.00110	0.01200	0.00342	3.89
4.59	0.00038	0.00064	0.00105	0.00230	0.00096	0.01245	0.00377	3.85
5.28	0.00040	0.00066	0.00103	0.00207	0.00088	0.01309	0.00408	3.82
6.06	0.00040	0.00070	0.00105	0.00190	0.00078	0.01421	0.00472	3.89
6.96	0.00039	0.00076	0.00106	0.00176	0.00071	0.01524	0.00529	4.11
8.00	0.00038	0.00081	0.00108	0.00156	0.00063	0.01647	0.00638	4.19
9.19	0.00039	0.00087	0.00115	0.00145	0.00057	0.01843	0.00736	4.29
10.56	0.00038	0.00085	0.00131	0.00120	0.00052	0.01976	0.00937	4.17
12.13	0.00028	0.00081	0.00132	0.00101	0.00040	0.02126	0.01136	4.06
13.93	0.00030	0.00065	0.00134	0.00088	0.00033	0.02102	0.01368	3.73
16.00	0.00022	0.00052	0.00153	0.00080	0.00034	0.01679	0.01398	3.55
18.38	0.00011	0.00038	0.00129	0.00056	0.00012	0.01329	0.01301	3.27
21.11	0.00020	0.00035	0.00122	0.00057	0.00021	0.00824	0.00861	2.84
24.25	0.00024	0.00018	0.00058	0.00043	0.00013	0.00563	0.00463	2.72
27.86	..	..	0.00032	0.00018	..	0.00302	0.00160	2.28
32.00	..	..	..	..	..	0.00311	..	2.30
36.76	..	..	..	..	..	0.00195	..	1.63
42.22	..	..	..	..	..	..	..	1.09
48.50	..	..	..	..	..	..	..	0.63
55.72	..	..	..	..	..	..	..	..
64.00	..	..	..	..	..	..	..	..
73.52	..	..	..	..	..	..	..	..
84.45	..	..	..	..	..	..	..	..
97.01	..	..	..	..	..	..	..	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 131. DIGS, raw data: Station HAS01-12, Mission 2000-020

Station	HAS01-12	HAS01-12	HAS01-12	HAS01-12	HAS01-12	HAS01-12	HAS01-12	HAS01-12
Water Depth	1	25	50	75	82	-0.15	-0.43	82
Time GMT	21:34	21:34	21:34	21:34	21:11	20:54	20:54	20;37
Sampler	niskin	niskin	niskin	niskin	CABLE	Boss 5-25	Boss 35-50	slurp
Total SPM	0.27	0.16	0.64	0.35	0.52	0.86	0.72	10.18
Total PPM	0.06566	0.02754	0.01500	0.02382	0.04337	0.29298	0.16805	100
Diameter (um)								
0.76	0.00355	0.00136	0.00057	0.00118	0.00223	0.00628	0.00360	2.49
0.87	0.00328	0.00132	0.00055	0.00110	0.00218	0.00643	0.00346	2.52
1.00	0.00315	0.00130	0.00053	0.00107	0.00217	0.00667	0.00337	2.59
1.15	0.00297	0.00130	0.00055	0.00110	0.00219	0.00689	0.00343	2.70
1.32	0.00283	0.00128	0.00058	0.00116	0.00211	0.00721	0.00340	2.77
1.52	0.00272	0.00132	0.00061	0.00117	0.00216	0.00737	0.00337	2.86
1.74	0.00265	0.00135	0.00064	0.00115	0.00214	0.00755	0.00358	2.91
2.00	0.00263	0.00136	0.00068	0.00119	0.00223	0.00817	0.00384	2.94
2.30	0.00285	0.00138	0.00071	0.00123	0.00226	0.00836	0.00398	3.07
2.64	0.00290	0.00143	0.00073	0.00129	0.00224	0.00881	0.00404	3.20
3.03	0.00290	0.00139	0.00081	0.00148	0.00252	0.00924	0.00388	3.36
3.48	0.00291	0.00114	0.00082	0.00140	0.00228	0.00907	0.00429	3.39
4.00	0.00331	0.00120	0.00067	0.00141	0.00237	0.01015	0.00508	3.98
4.59	0.00282	0.00124	0.00083	0.00100	0.00217	0.01156	0.00528	3.64
5.28	0.00265	0.00115	0.00079	0.00093	0.00198	0.01202	0.00573	3.91
6.06	0.00255	0.00105	0.00077	0.00091	0.00186	0.01298	0.00648	3.97
6.96	0.00237	0.00097	0.00071	0.00088	0.00166	0.01399	0.00702	4.01
8.00	0.00232	0.00092	0.00064	0.00084	0.00150	0.01554	0.00842	4.20
9.19	0.00226	0.00085	0.00059	0.00075	0.00133	0.01662	0.01001	4.32
10.56	0.00206	0.00088	0.00056	0.00069	0.00111	0.01891	0.01226	4.29
12.13	0.00188	0.00076	0.00046	0.00046	0.00072	0.01956	0.01429	4.14
13.93	0.00162	0.00074	0.00030	0.00034	0.00062	0.01882	0.01465	4.27
16.00	0.00148	0.00053	0.00033	0.00030	0.00036	0.01595	0.01484	3.79
18.38	0.00119	0.00043	0.00018	0.00022	0.00034	0.01234	0.01027	3.65
21.11	0.00113	0.00038	0.00015	0.00014	0.00044	0.00757	0.00545	3.41
24.25	0.00079	0.00032	0.00025	0.00022	0.00021	0.00430	0.00317	3.14
27.86	0.00092	0.00020	..	0.00020	..	0.00236	0.00089	2.56
32.00	0.00057	..	..	..	..	0.00300	..	2.39
36.76	0.00041	..	..	..	..	0.00307	..	2.06
42.22	..	..	..	..	..	0.00218	..	1.29
48.50	..	..	..	..	..	..	..	1.19
55.72	..	..	..	..	..	..	..	1.00
64.00	..	..	..	..	..	..	..	..
73.52	..	..	..	..	..	..	..	..
84.45	..	..	..	..	..	..	..	..
97.01	..	..	..	..	..	..	..	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..		..		..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Table 132. DIGS, raw data: Station HAS01-13, Mission 2000-020

Station	HAS01-13	HAS01-13	HAS01-13	HAS01-13	HAS01-13	HAS01-13	HAS01-13	HAS01-13
Water Depth	1	25	50	75	82	-0.15	-0.43	82
Time GMT	23:06	23:06	23:06	23:06	23:31	22:51	22:51	22:35
Sampler	niskin	niskin	niskin	niskin	CABLE	Boss 5-25	Boss 35-50	slurp
Total SPM	0.42	0.54	0.97	0.86	0.79	0.85	0.34	1.96
Total PPM	0.04900	0.02865	0.03365	0.07744	0.11950	0.14234	0.17857	100
Diameter (um)								
0.76	0.00374	0.00147	0.00209	0.00499	0.01052	0.00450	0.00500	3.29
0.87	0.00343	0.00132	0.00196	0.00441	0.00899	0.00419	0.00433	3.07
1.00	0.00237	0.00111	0.00190	0.00401	0.00799	0.00392	0.00385	2.95
1.15	0.00185	0.00106	0.00178	0.00370	0.00724	0.00382	0.00357	2.85
1.32	0.00172	0.00107	0.00177	0.00351	0.00656	0.00379	0.00359	2.87
1.52	0.00180	0.00104	0.00164	0.00326	0.00631	0.00374	0.00358	2.88
1.74	0.00177	0.00106	0.00157	0.00309	0.00603	0.00370	0.00354	2.88
2.00	0.00177	0.00105	0.00153	0.00299	0.00578	0.00380	0.00353	2.95
2.30	0.00184	0.00115	0.00145	0.00304	0.00587	0.00390	0.00385	3.06
2.64	0.00182	0.00110	0.00138	0.00295	0.00573	0.00402	0.00380	3.20
3.03	0.00184	0.00124	0.00135	0.00302	0.00633	0.00415	0.00436	3.22
3.48	0.00186	0.00105	0.00140	0.00305	0.00605	0.00403	0.00358	3.47
4.00	0.00180	0.00107	0.00108	0.00314	0.00530	0.00487	0.00484	3.51
4.59	0.00150	0.00106	0.00128	0.00321	0.00531	0.00469	0.00492	3.76
5.28	0.00150	0.00104	0.00120	0.00293	0.00466	0.00545	0.00516	3.82
6.06	0.00150	0.00110	0.00118	0.00279	0.00405	0.00601	0.00577	4.10
6.96	0.00148	0.00114	0.00112	0.00257	0.00330	0.00683	0.00653	4.30
8.00	0.00146	0.00117	0.00102	0.00248	0.00273	0.00773	0.00767	4.57
9.19	0.00149	0.00116	0.00097	0.00220	0.00218	0.00859	0.00993	4.78
10.56	0.00146	0.00117	0.00096	0.00196	0.00178	0.00946	0.01194	4.83
12.13	0.00152	0.00112	0.00083	0.00196	0.00142	0.01024	0.01394	4.48
13.93	0.00133	0.00099	0.00075	0.00231	0.00128	0.00932	0.01477	4.31
16.00	0.00135	0.00099	0.00070	0.00199	0.00139	0.00837	0.01333	3.73
18.38	0.00135	0.00076	0.00069	0.00189	0.00111	0.00590	0.00950	3.29
21.11	0.00122	0.00076	0.00065	0.00200	0.00095	0.00287	0.00645	3.17
24.25	0.00088	0.00062	0.00049	0.00177	0.00064	0.00208	0.00453	2.59
27.86	0.00100	0.00052	0.00051	0.00152	..	0.00082	0.00374	2.05
32.00	0.00081	0.00026	0.00040	0.00072	..	0.00157	0.00316	1.85
36.76	0.00069	..	..	..	..	..	0.00240	1.29
42.22	0.00086	..	..	..	..	..	0.00342	0.83
48.50	..	..	..	..	..	..	..	1.20
55.72	..	..	..	..	..	..	..	0.83
64.00	..	..	..	..	..	..	..	..
73.52	..	..	..	..	..	..	..	..
84.45	..	..	..	..	..	..	..	..
97.01	..	..	..	..	..	..	..	..
111.43	..	..	..	..	..	..	..	..
128.00	..	..	..	..	..	..	..	..
147.03	..	..	..	..	..	..	..	..
168.90	..	..	..	..	..	..	..	..
194.01	..	..	..	..	..	..	..	..
222.86	..	..	..	..	..	..	..	..
256.00	..	..	..	..	..	..	..	..
294.07	..	..	..	..	..	..	..	..
337.79	..	..	..	..	..	..	..	..
388.02	..	..	..	..	..	..	..	..
445.72	..	..	..	..	..	..	..	..
512.00	..	..	..	..	..	..	..	..

Appendix VI. DIGS plots of samples collected from Mission 2000-020.

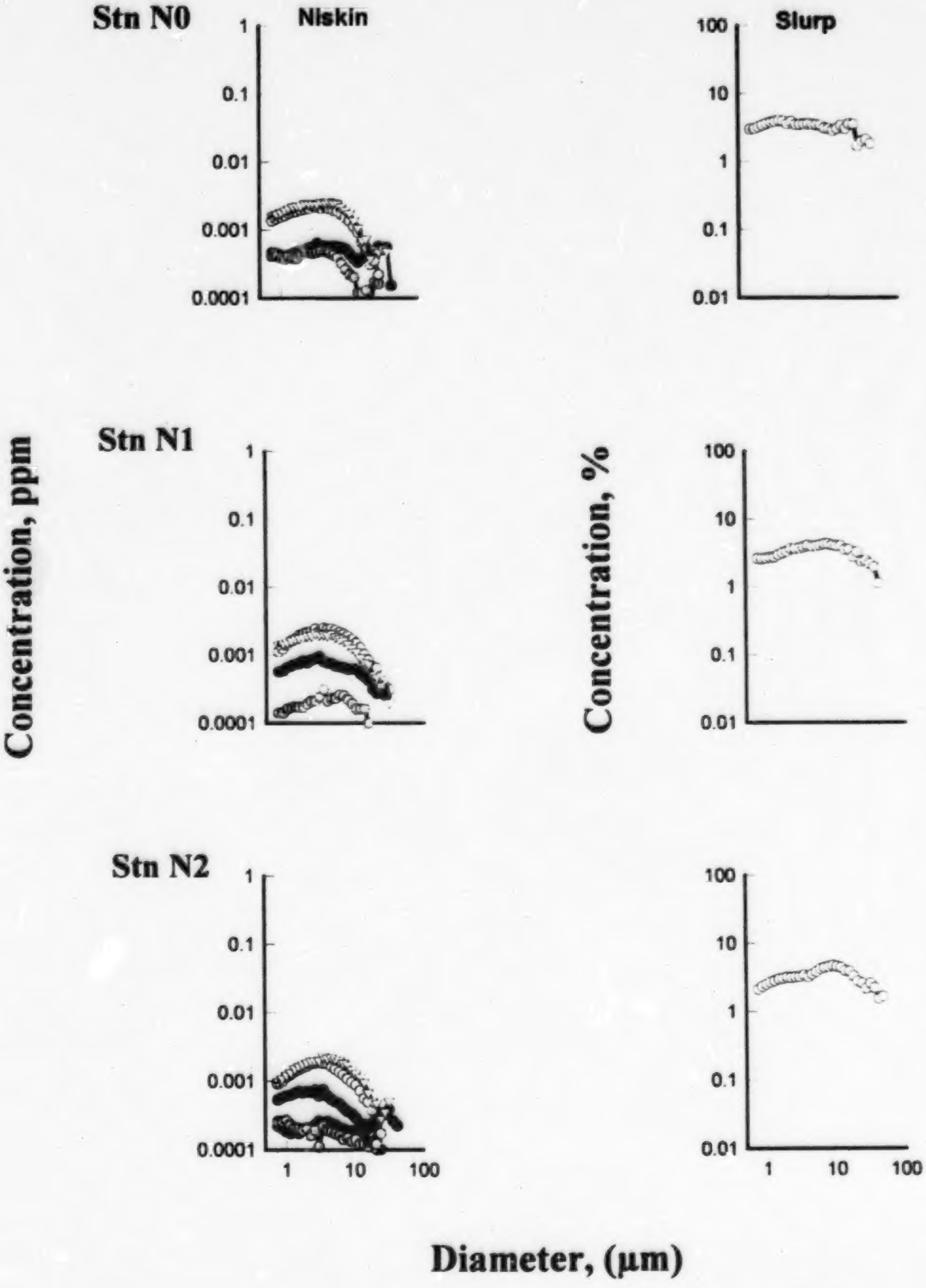


Figure 35. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shades of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles.

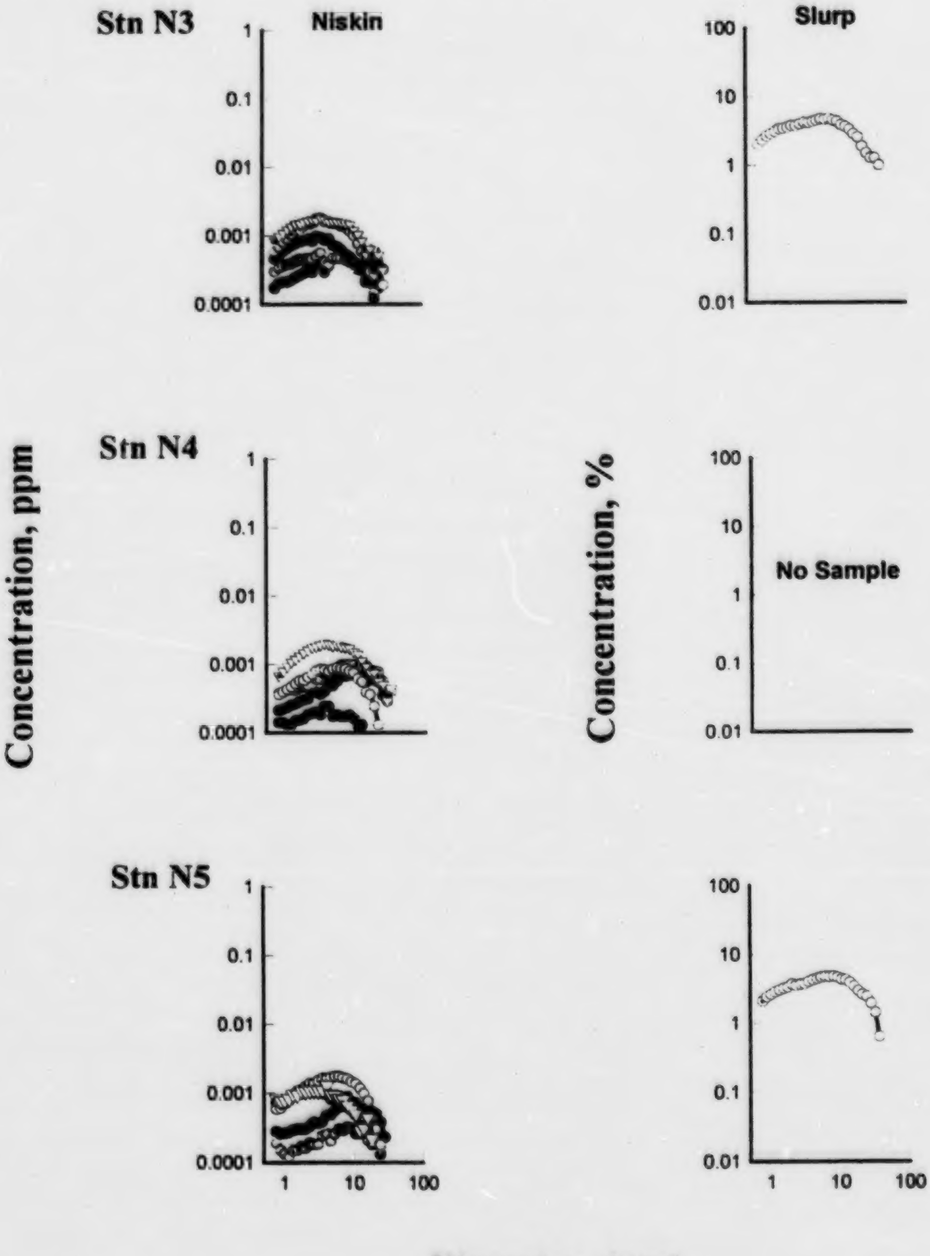


Figure 36. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shades of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles.

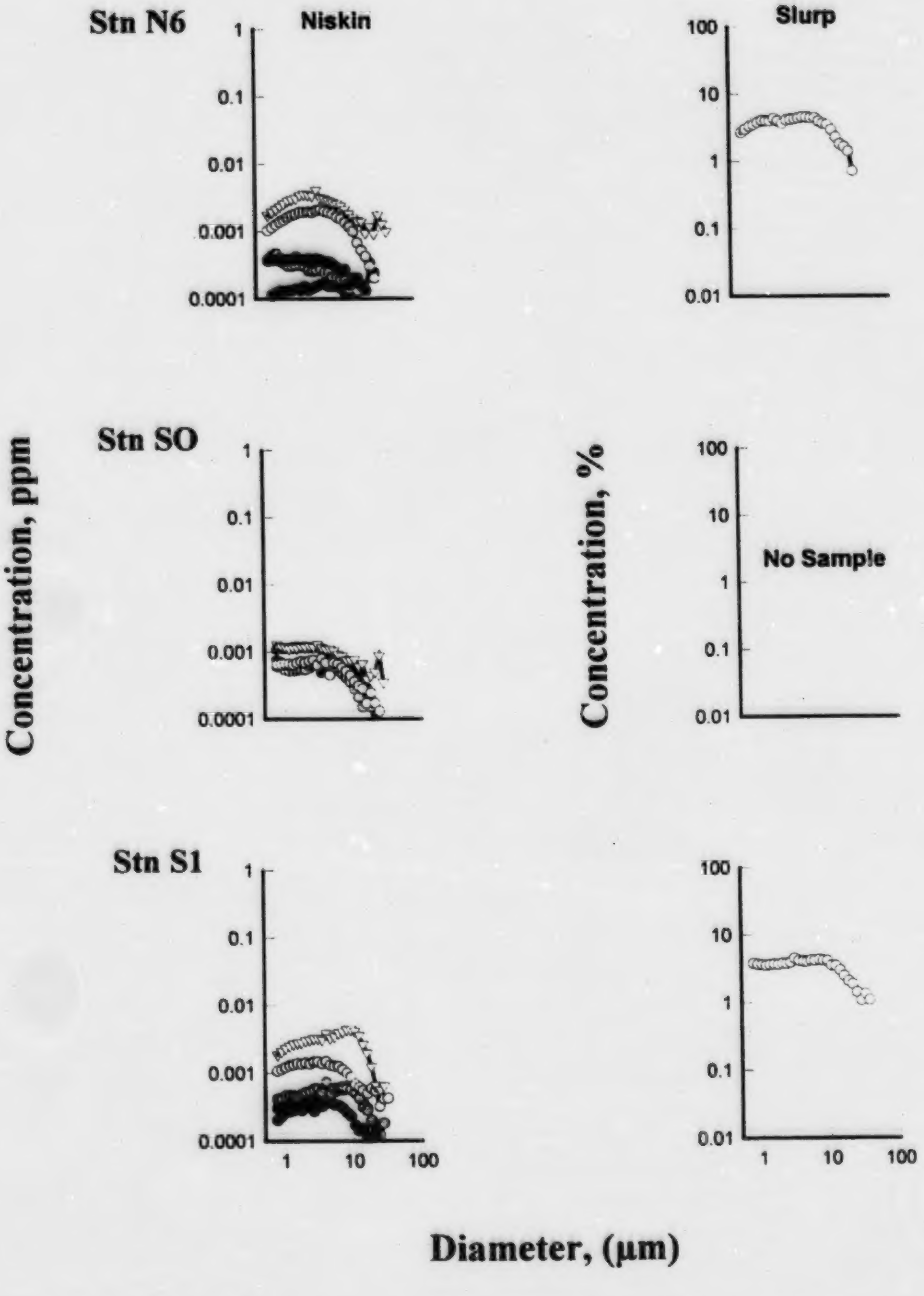


Figure 37. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shades of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles.

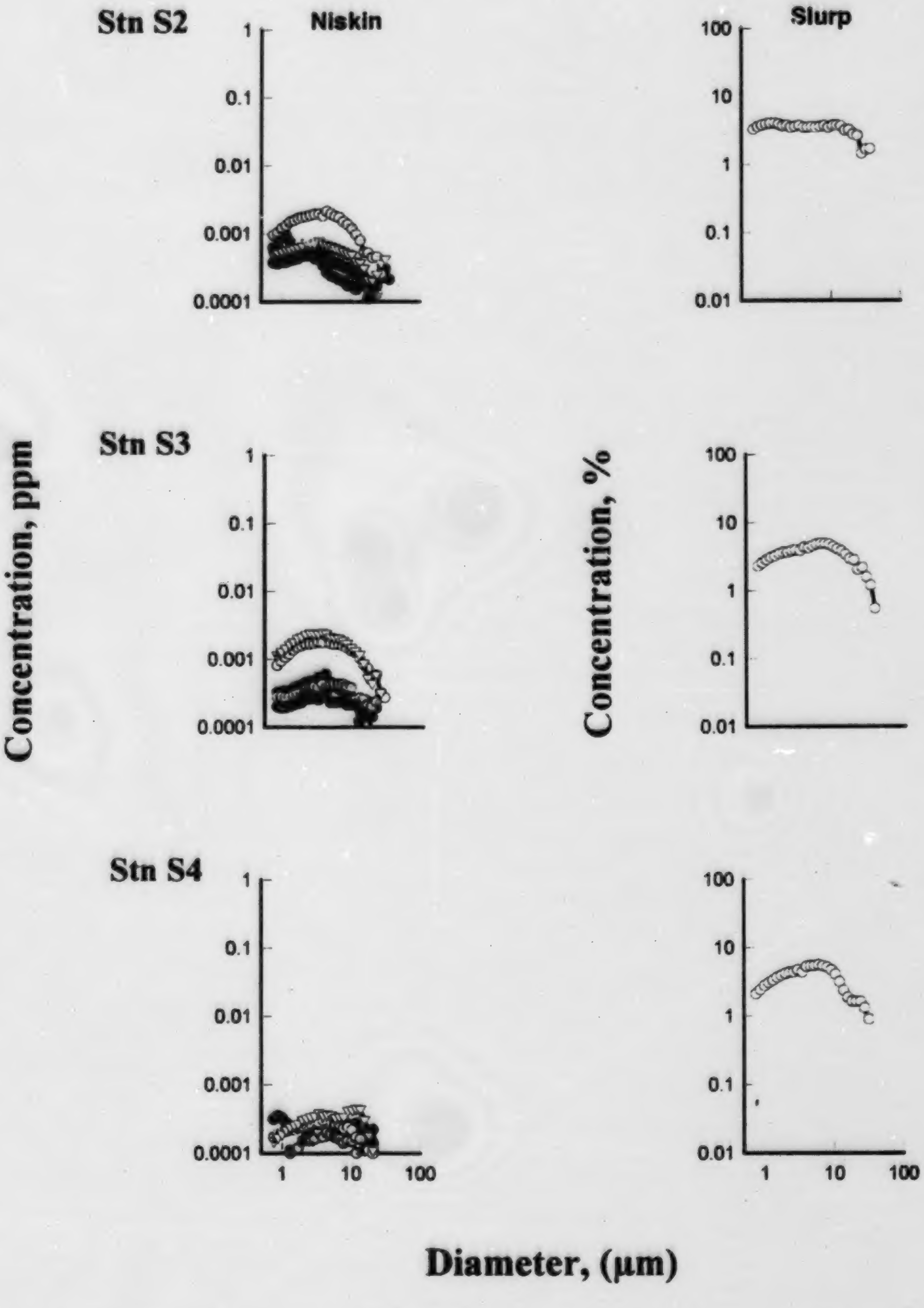


Figure 38. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shades of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles.

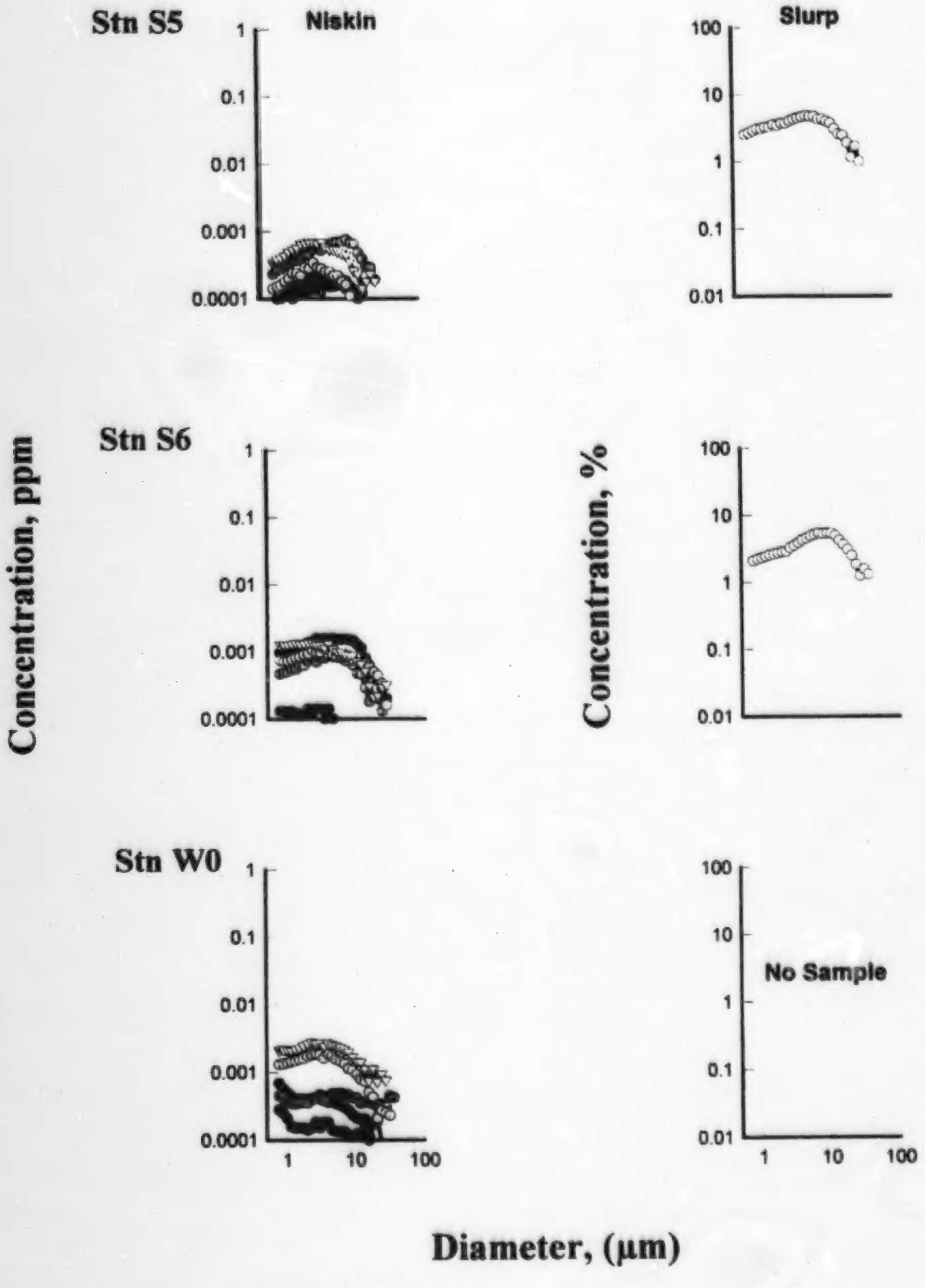


Figure 39. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shades of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles.

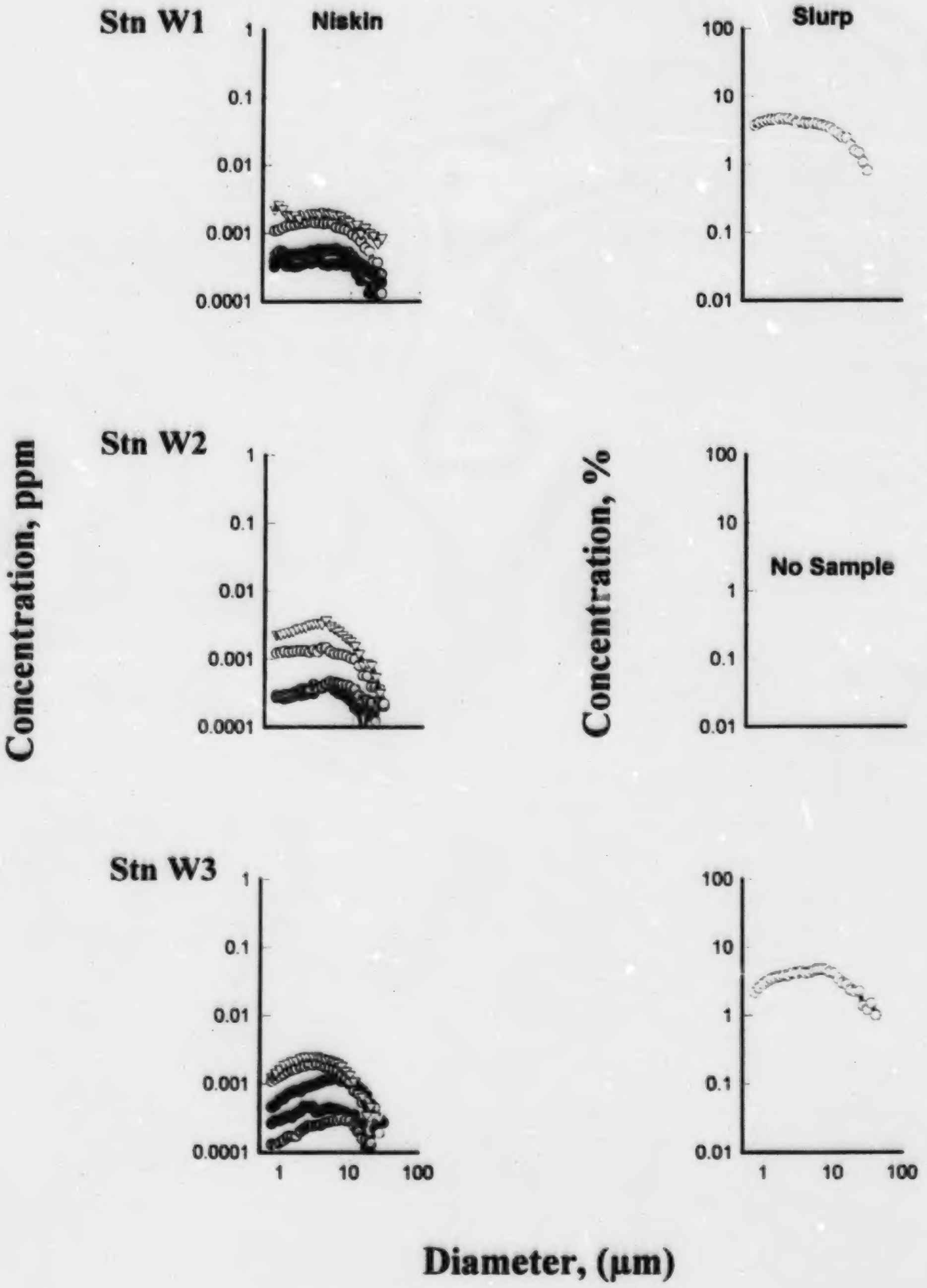


Figure 40. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shades of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles.

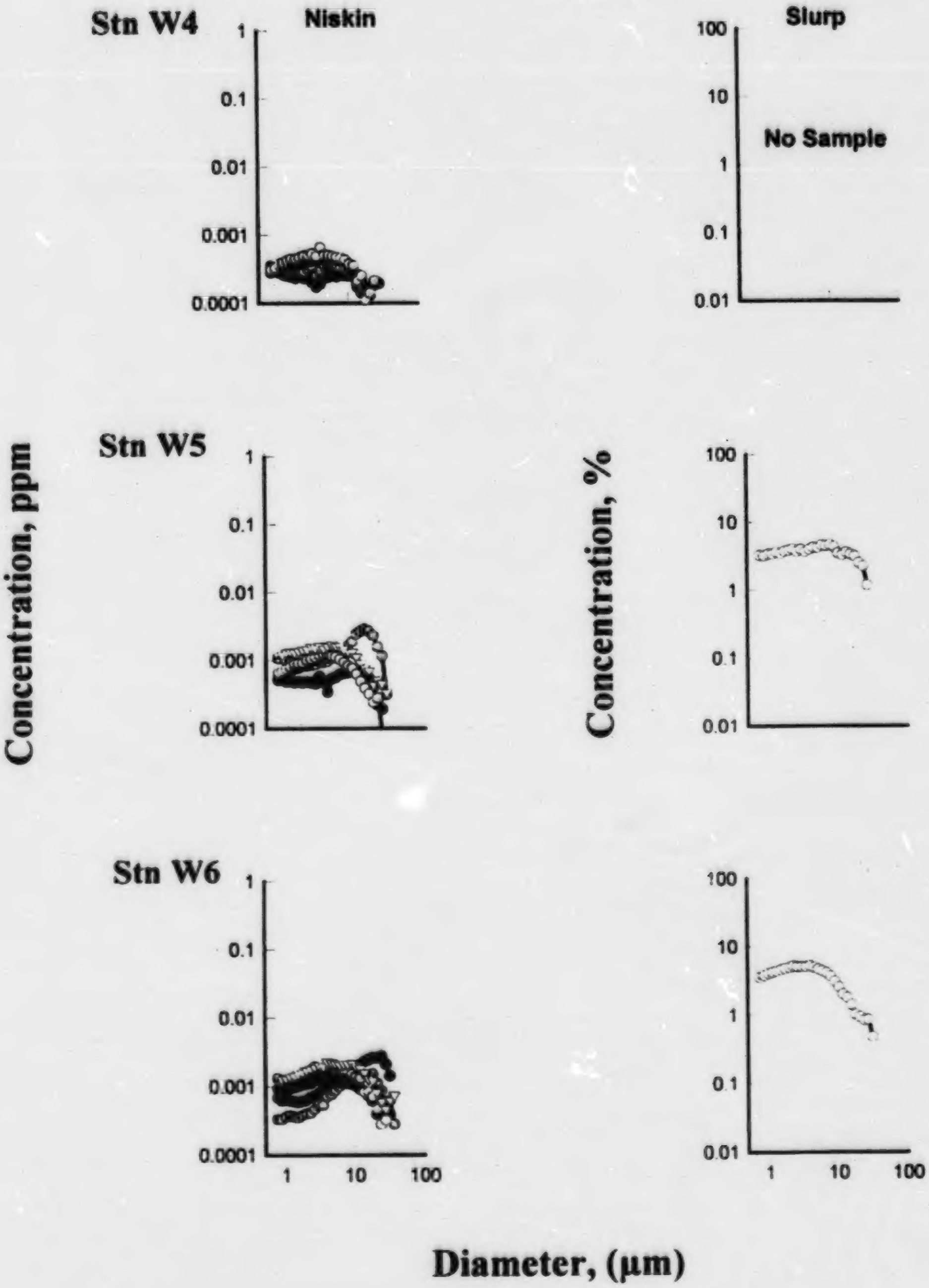


Figure 41. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shades of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles.

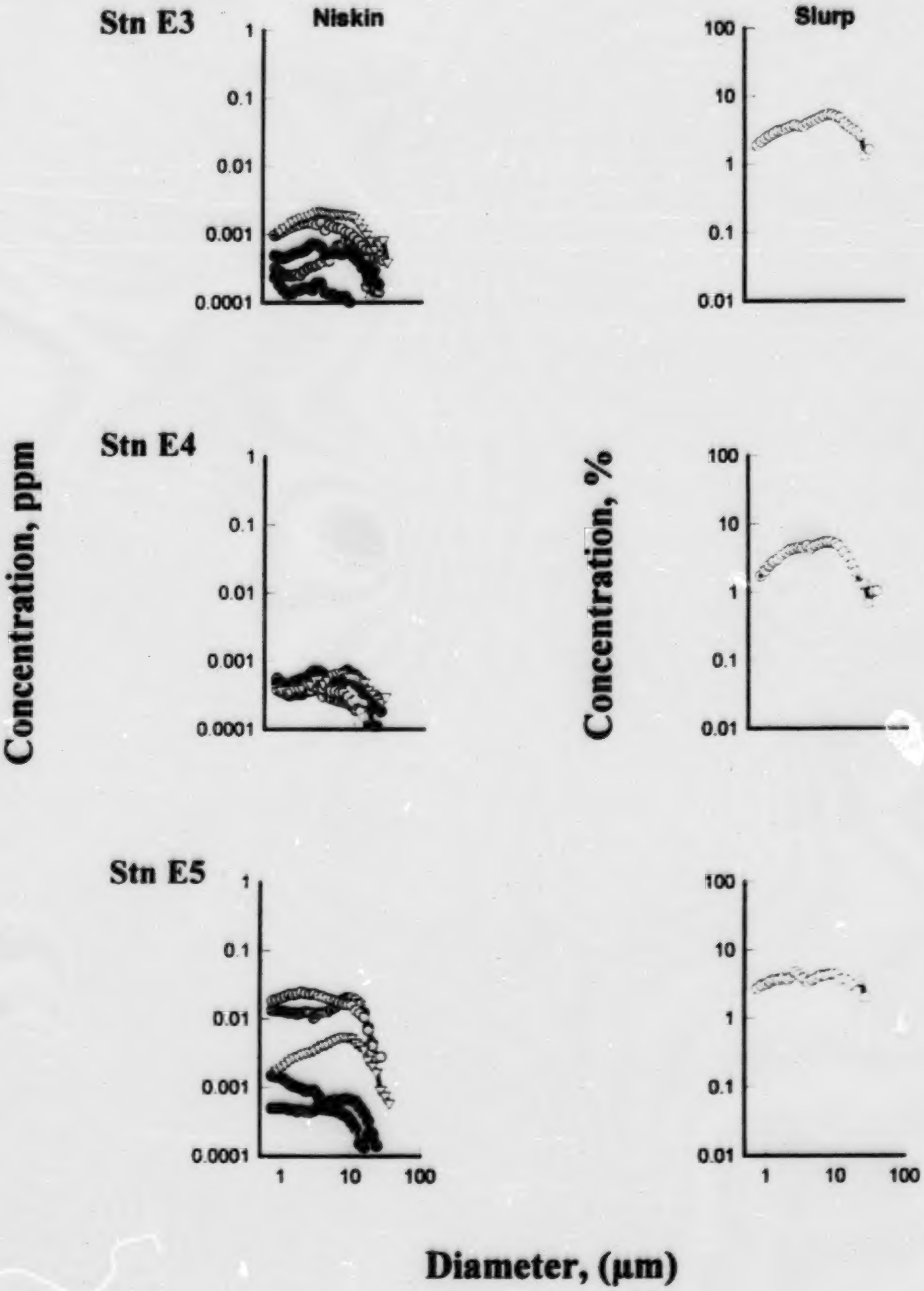


Figure 42. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shades of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles.

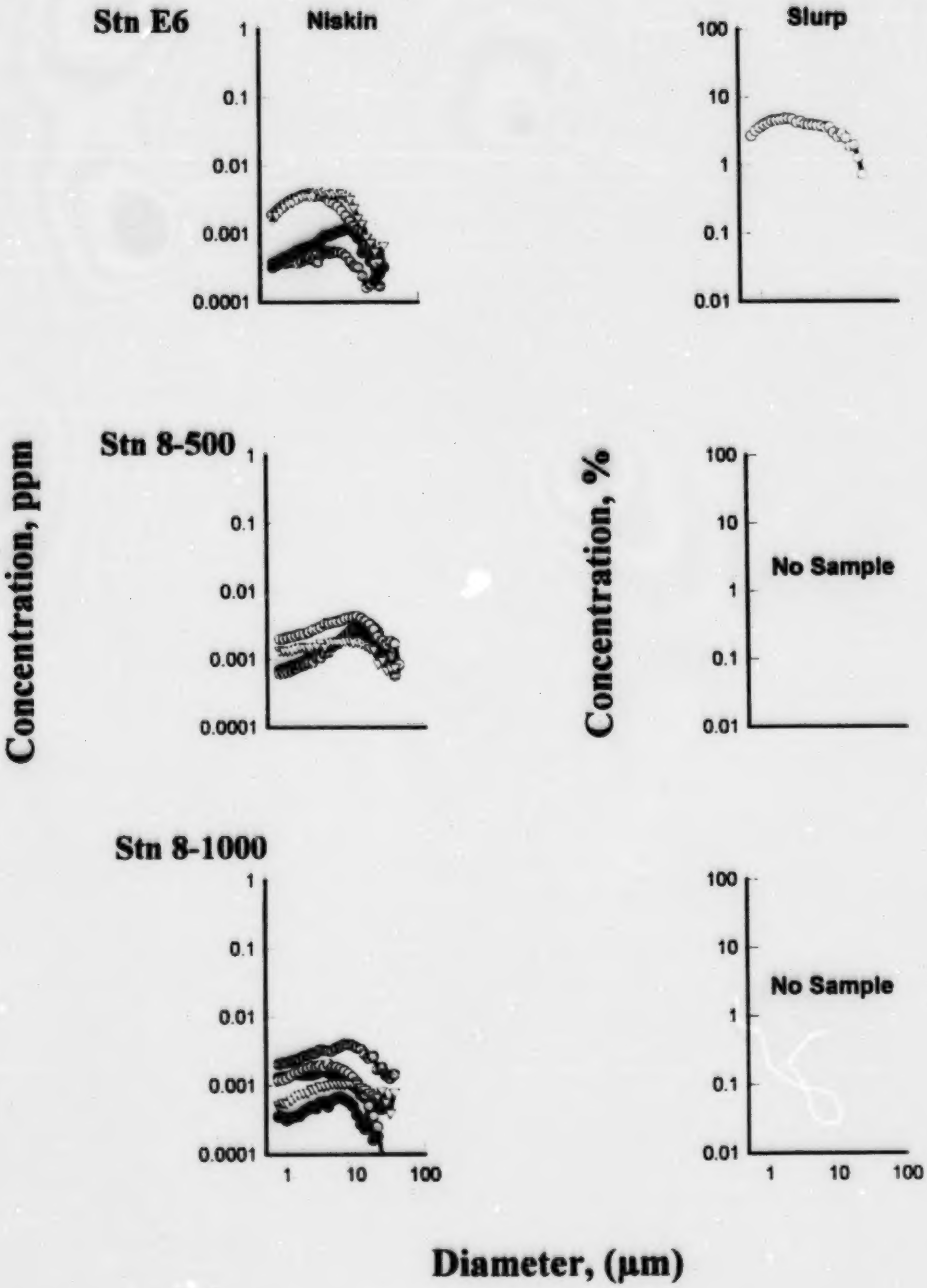


Figure 43. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shades of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles.

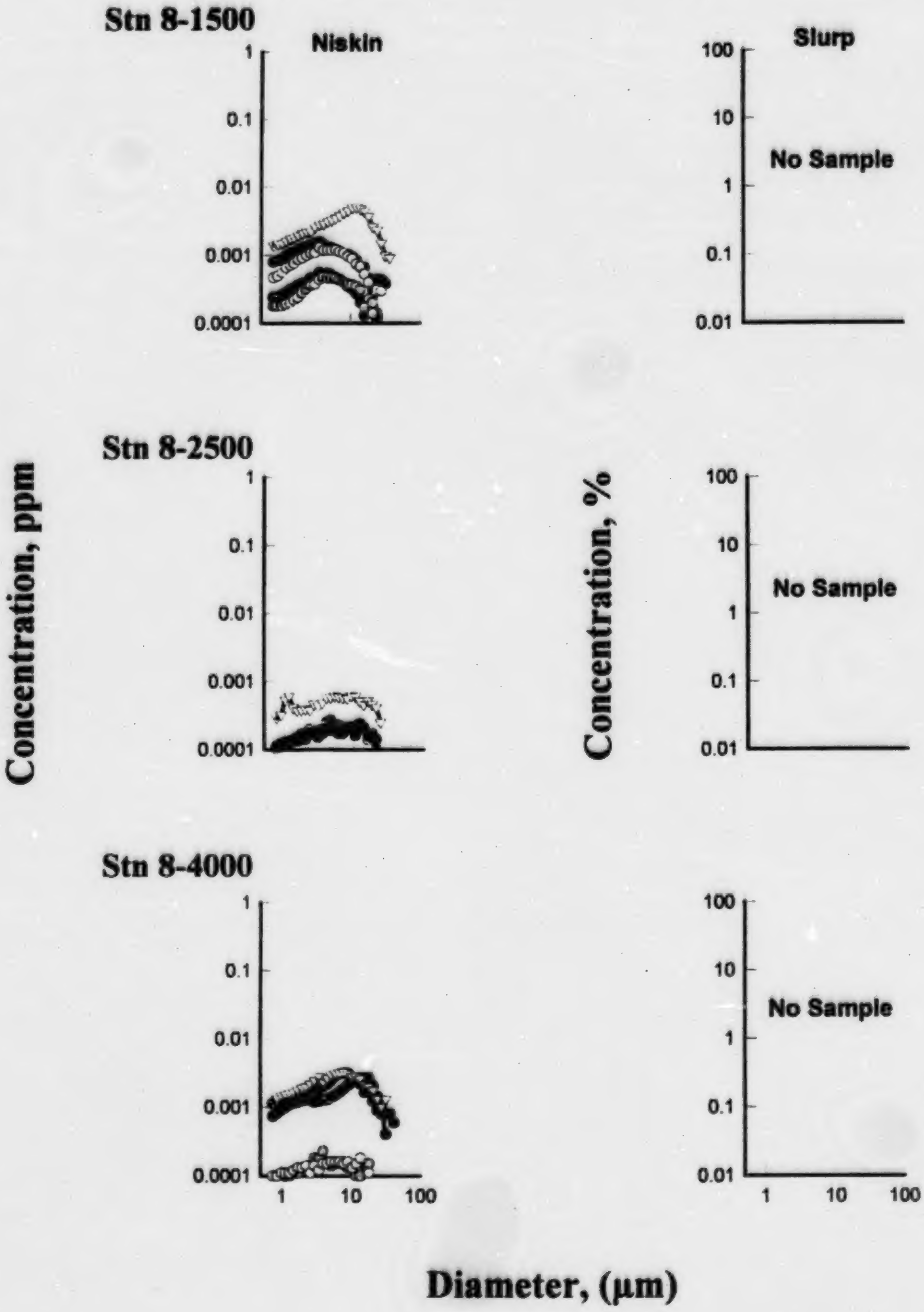


Figure 44. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shades of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles.

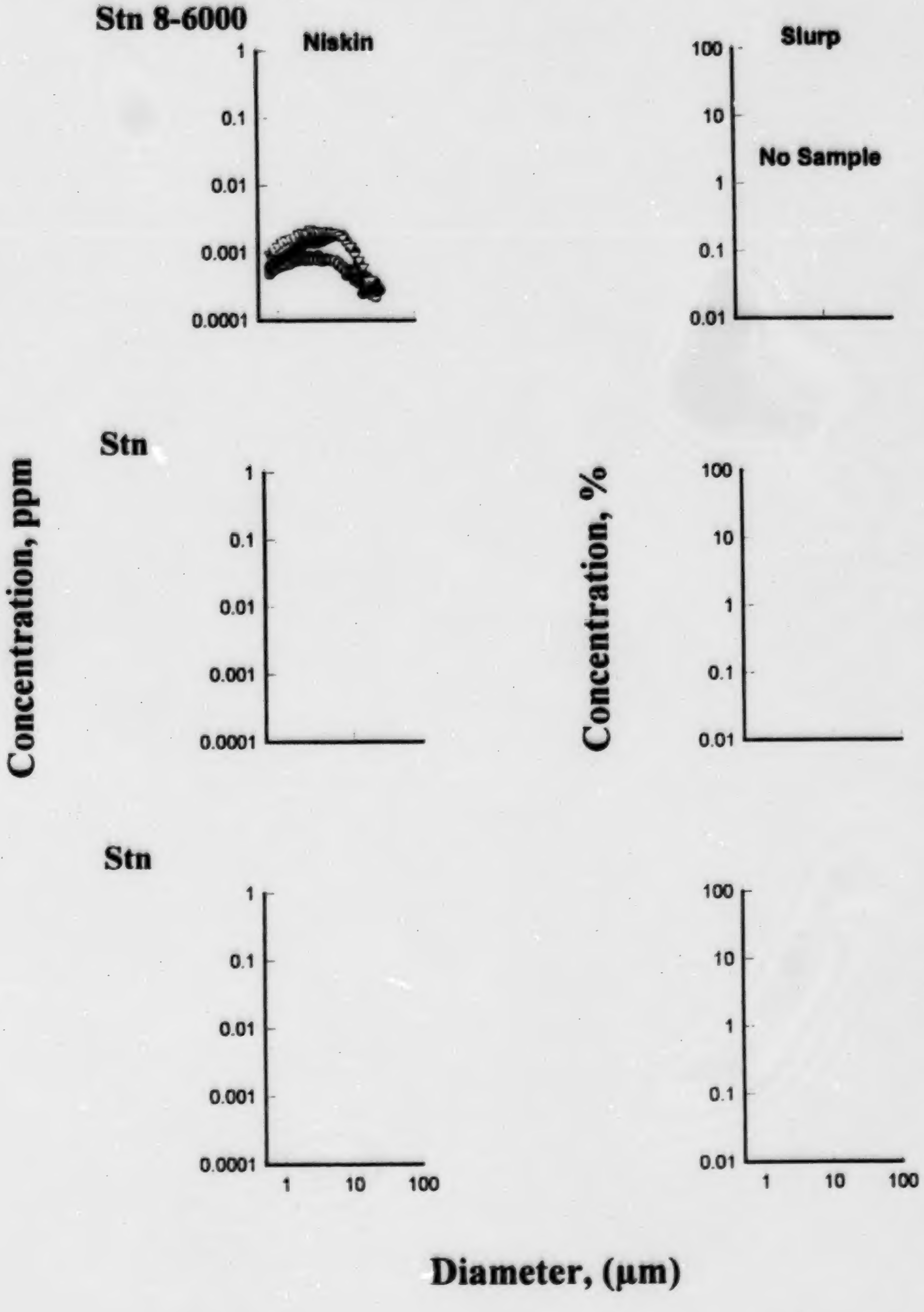


Figure 45. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shades of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles.

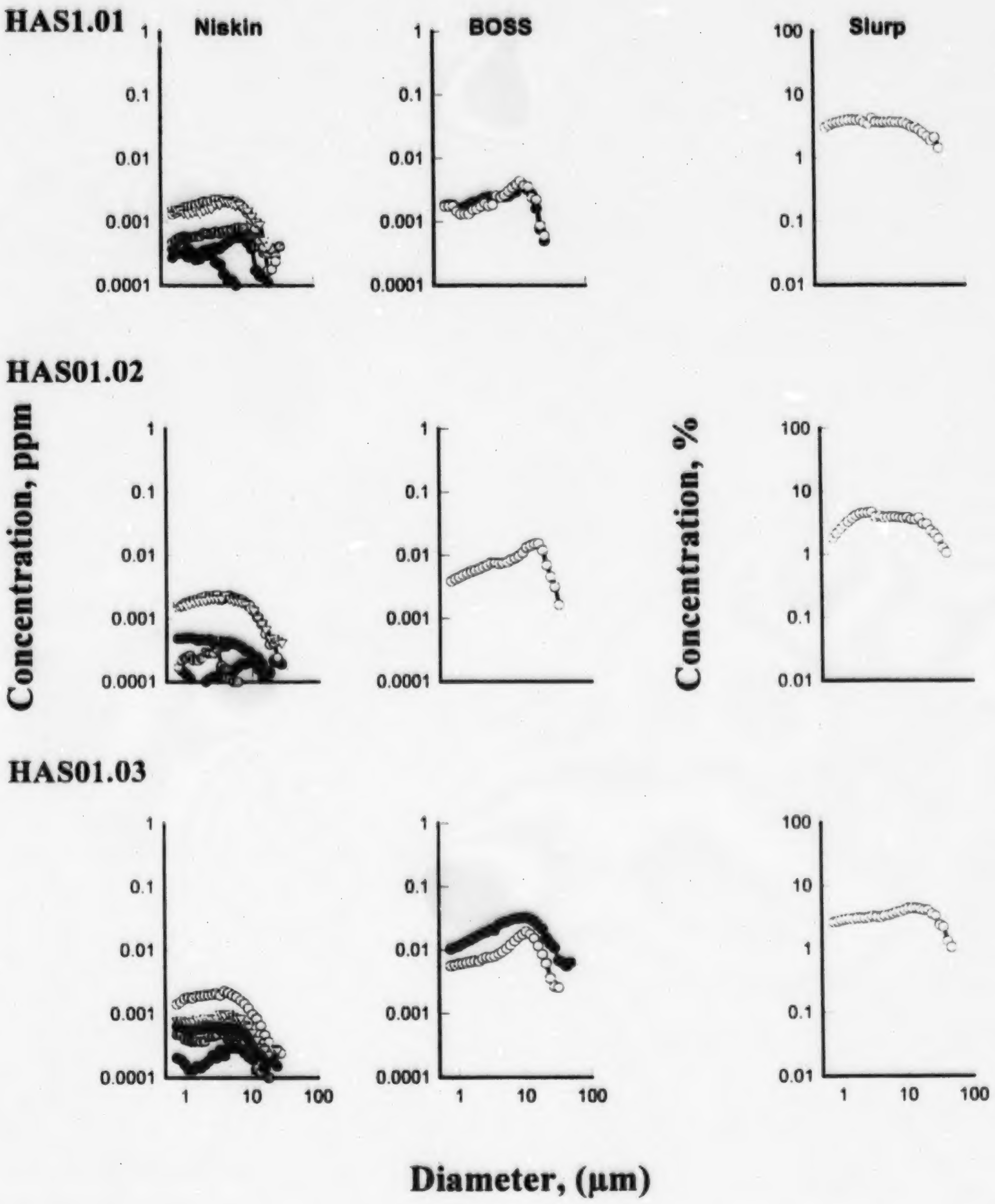


Figure 46. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shade of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles. For the BOSS samples the black circles are used for the 0.35-0.50 m above bottom sample and open circles are used for the 0.05-0.25 m sample.

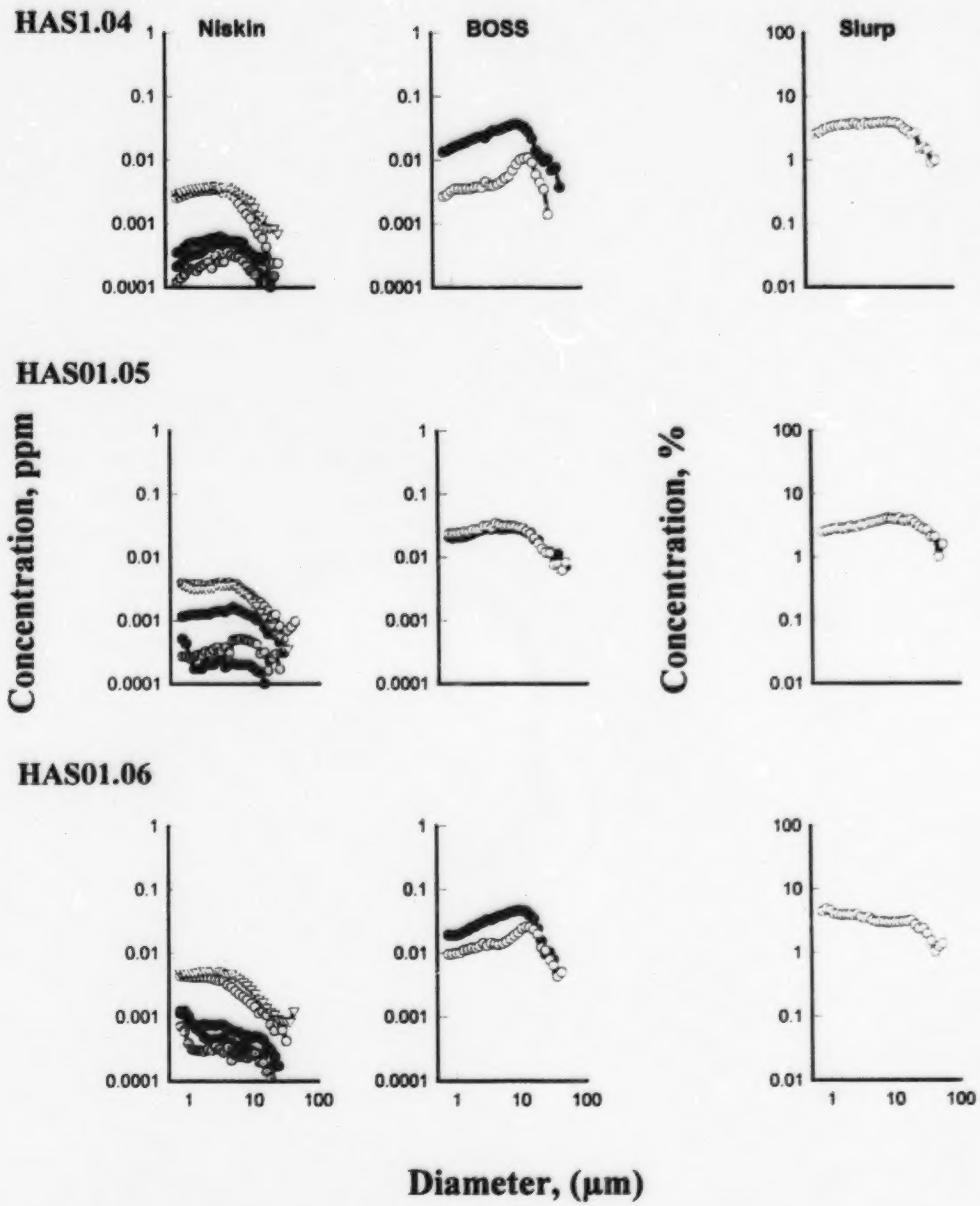


Figure 47. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shade of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles. For the BOSS samples the black circles are used for the 0.35-0.50 m above bottom sample and open circles are used for the 0.05-0.25 m sample.

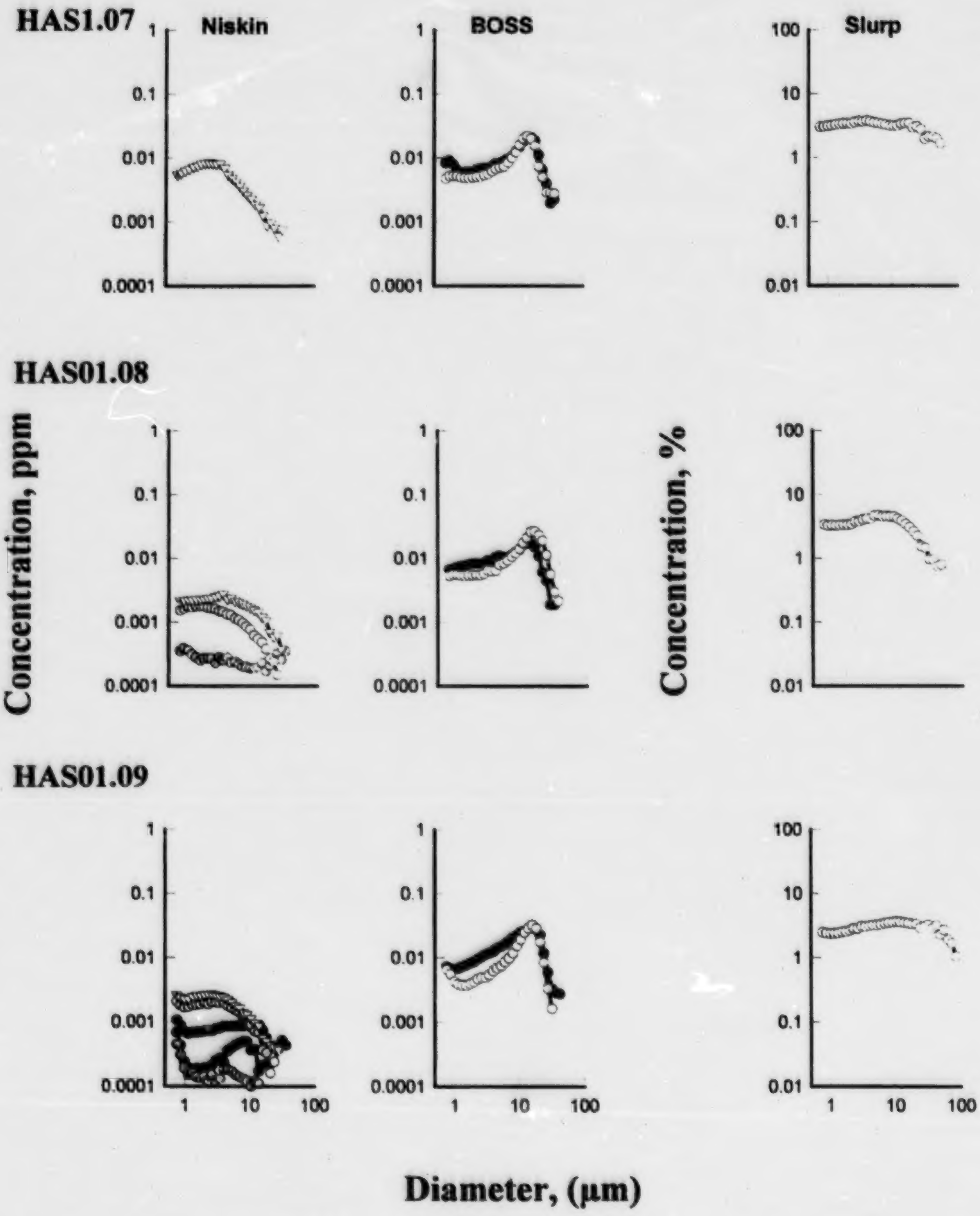


Figure 48. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shade of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles. For the BOSS samples the black circles are used for the 0.35-0.50 m above bottom sample and open circles are used for the 0.05-0.25 m sample.

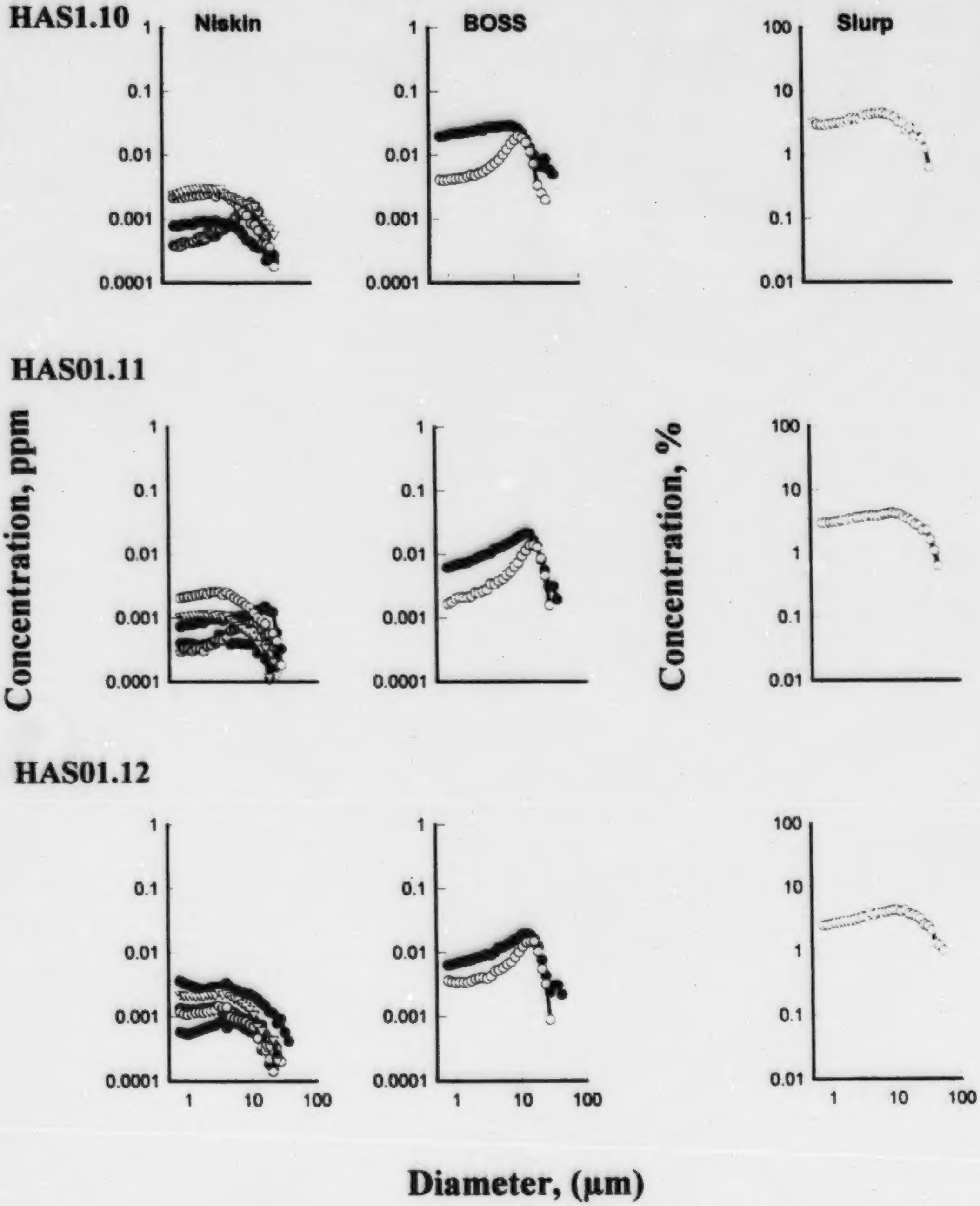


Figure 49. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shade of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles. For the BOSS samples the black circles are used for the 0.35-0.50 m above bottom sample and open circles are used for the 0.05-0.25 m sample.

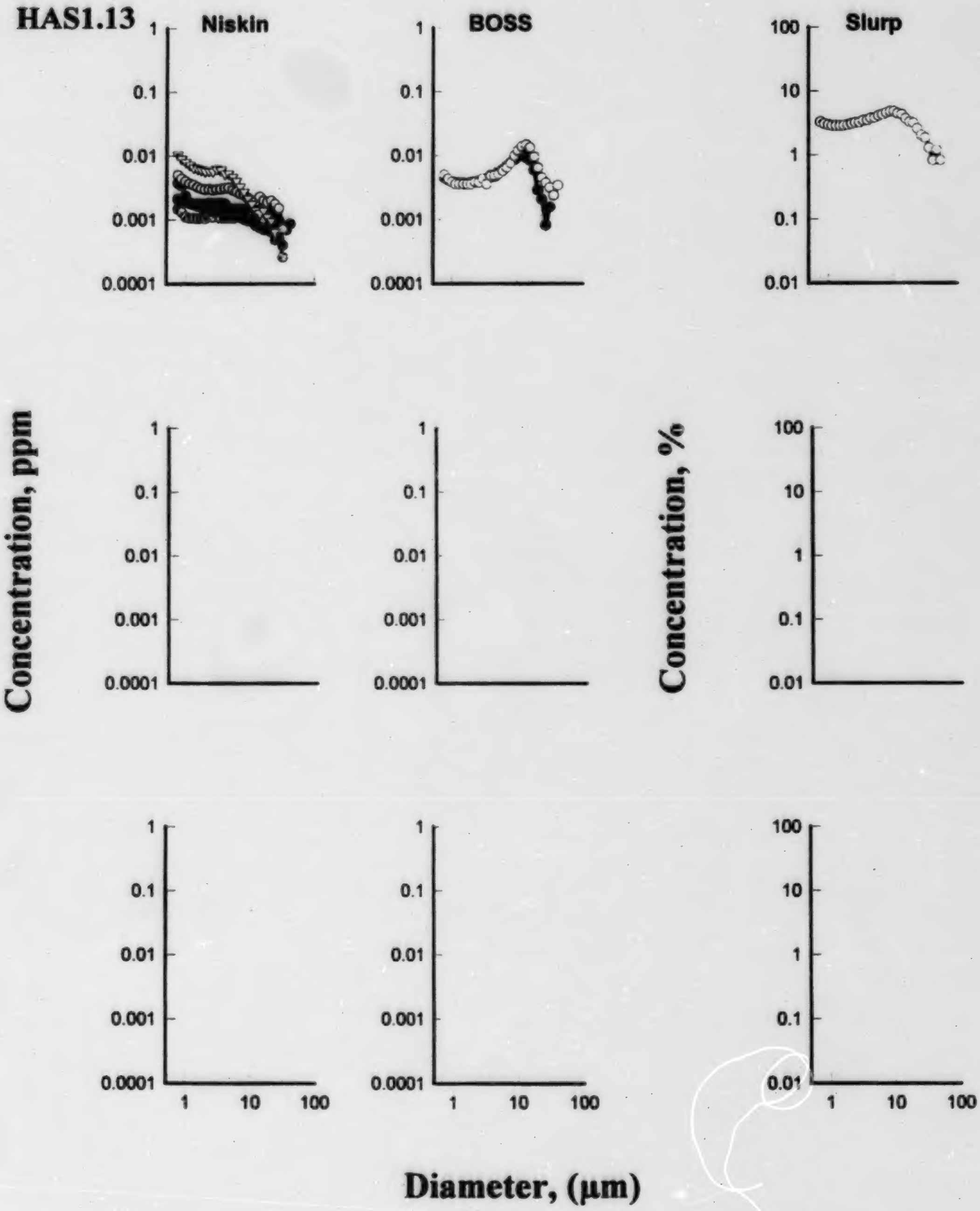
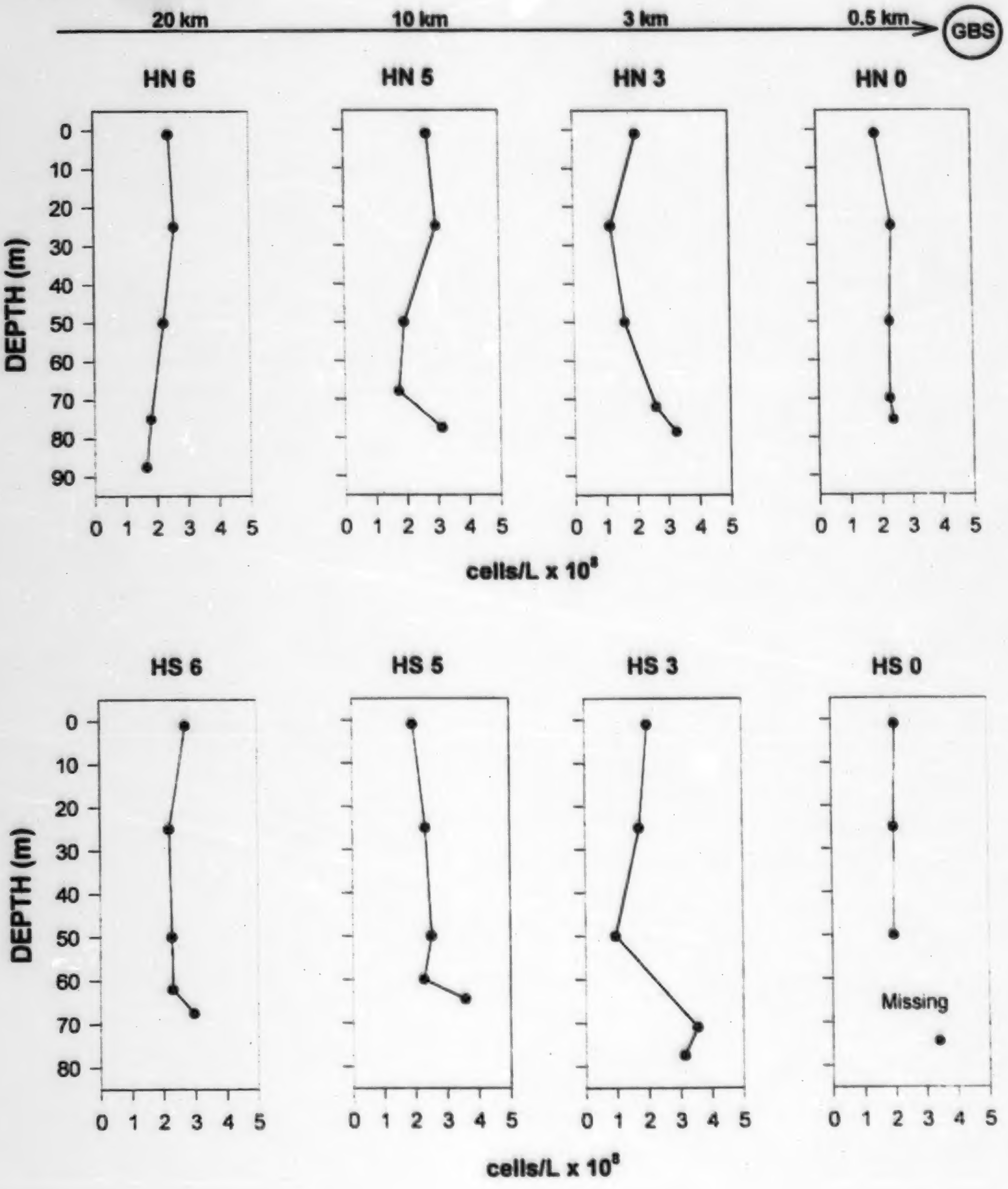


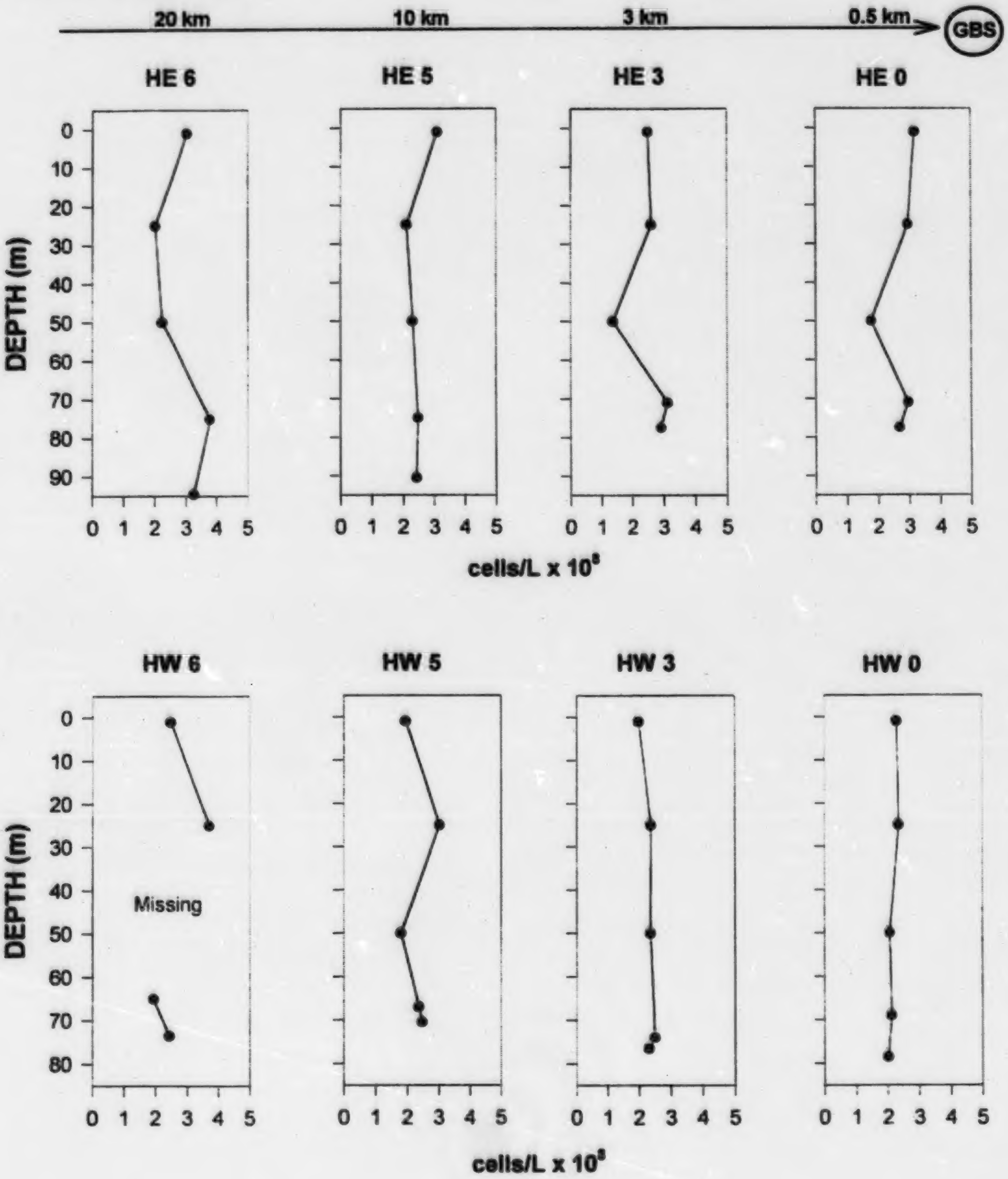
Figure 50. Disaggregated inorganic grain size distributions. The depth of sample is differentiated for the Niskin bottle samples by decreasing shade of grey, with the black circles indicating the surface bottle. The CABLE sample is represented by inverted white triangles. For the BOSS samples the black circles are used for the 0.35-0.50 m above bottom sample and open circles are used for the 0.05-0.25 m sample.

Appendix VII, Plots of microbiological results of samples collected from Mission 98-015.

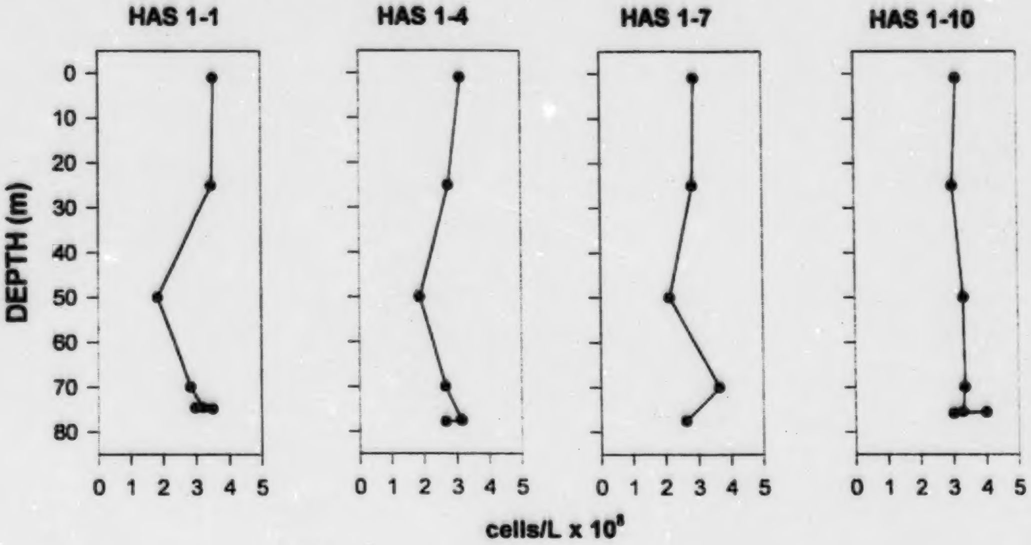
98-015 Hibernia North & South Transects
Bacterial Numbers



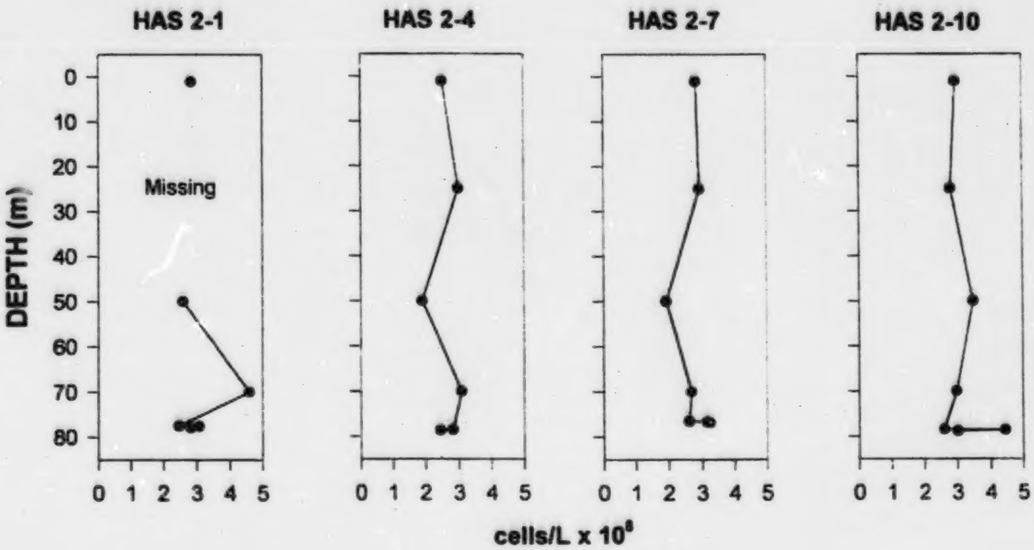
98-015 Hibernia East & West Transects
Bacterial Numbers



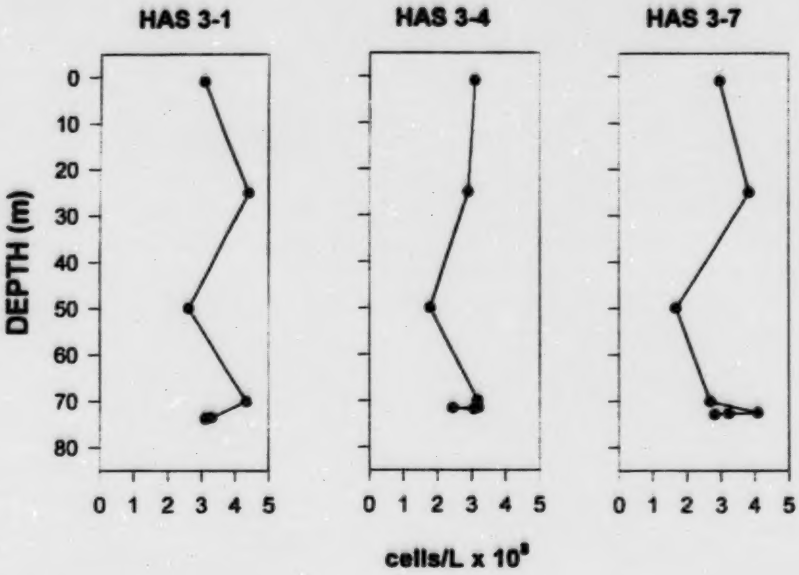
98-015 Hibernia Anchor Station 1 (1 km south west of GBS)
Bacterial Numbers



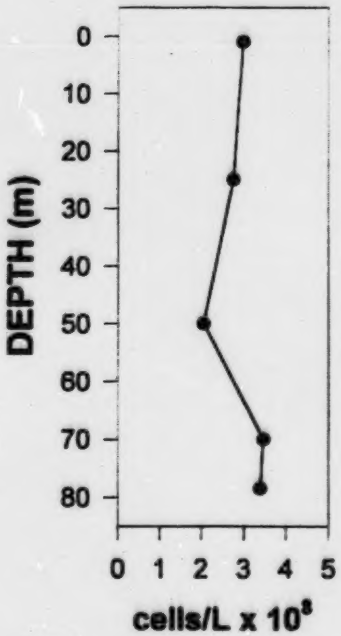
98-015 Hibernia Anchor Station 2 (2.5 km south west of GBS)
Bacterial Numbers



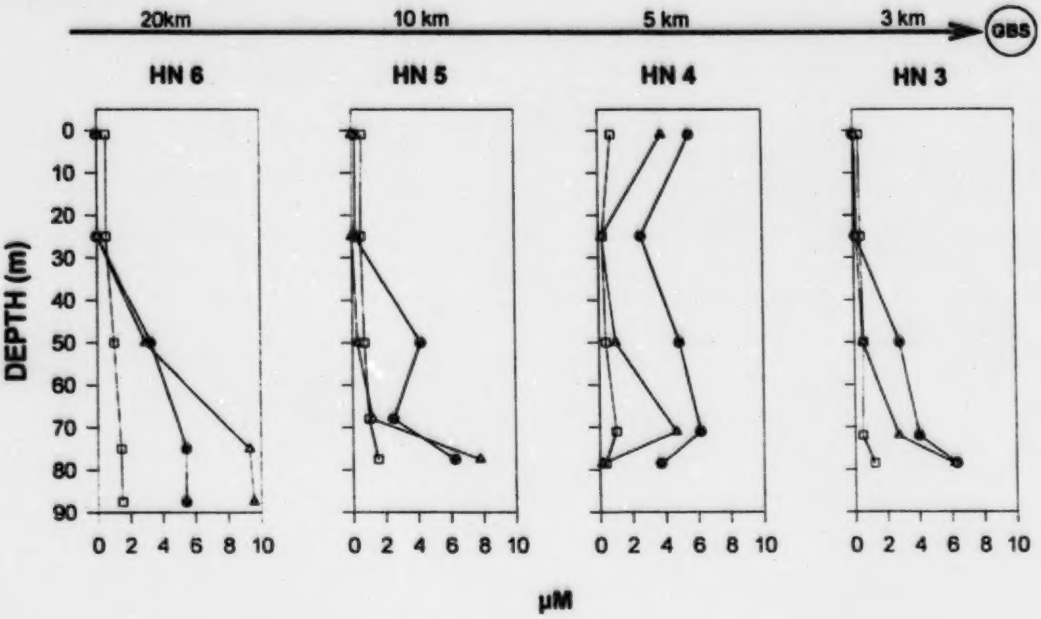
98-015 Hibernia Anchor Station 3 (10 km south west of GBS) Bacterial Numbers

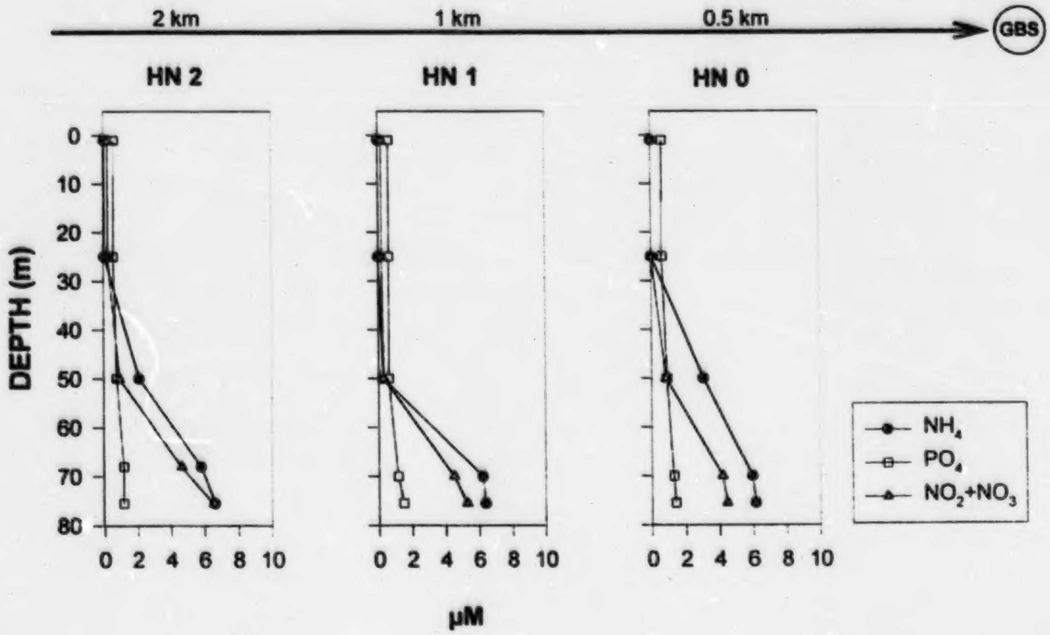


98-015 Hibernia Station PT-1 Bacterial Numbers

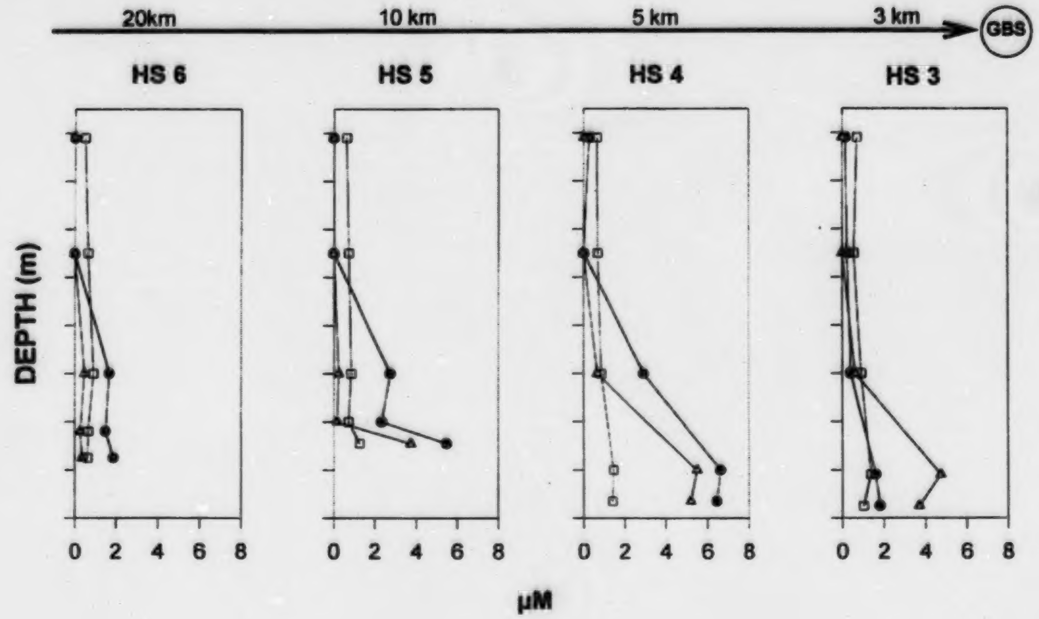


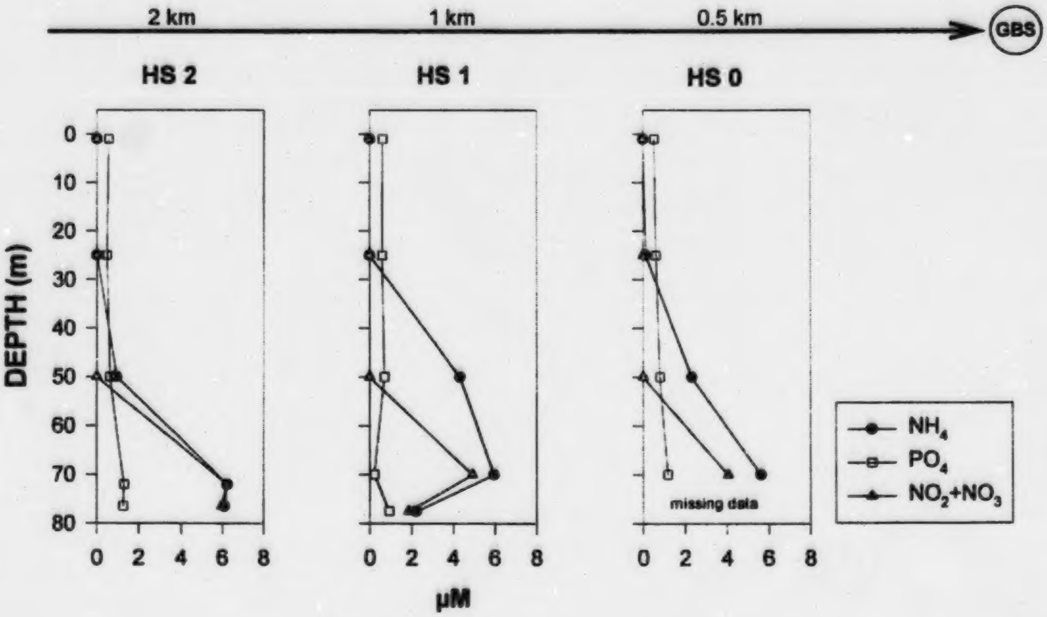
98-015 Hibernia North Transect Nutrients



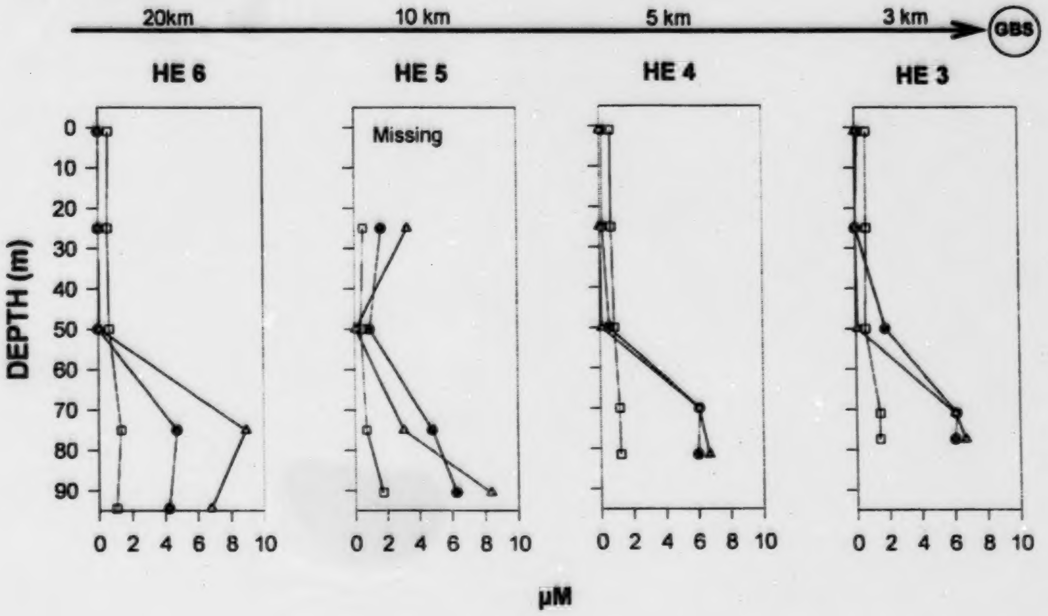


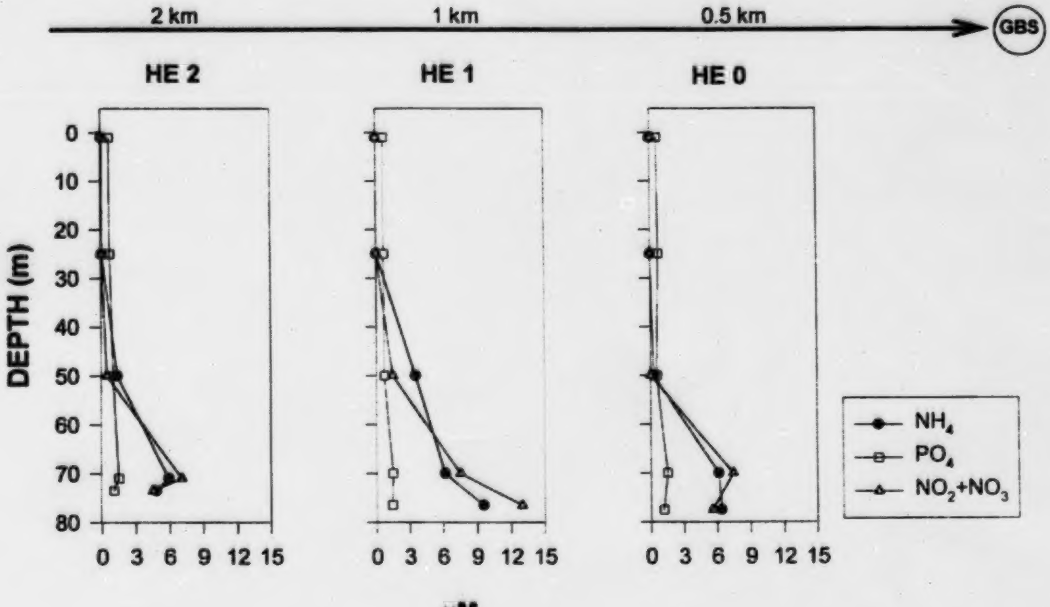
98-015 Hibernia South Transect
Nutrients



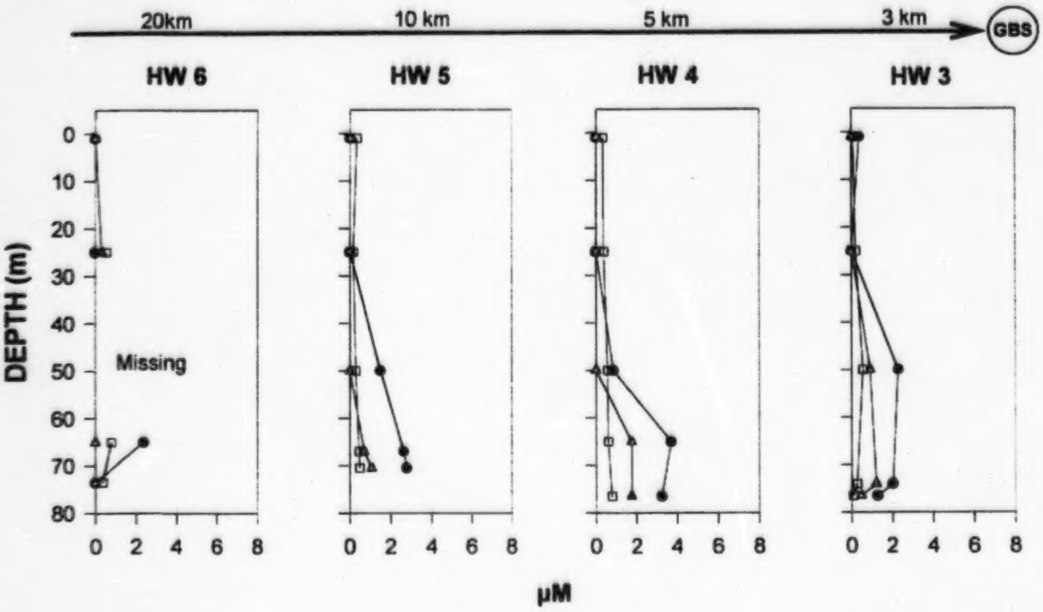


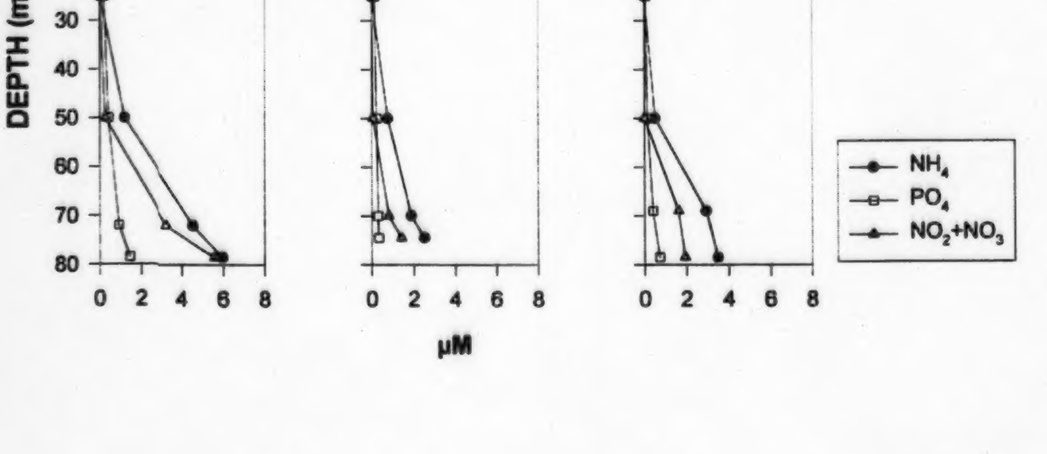
98-015 Hibernia East Transect Nutrients



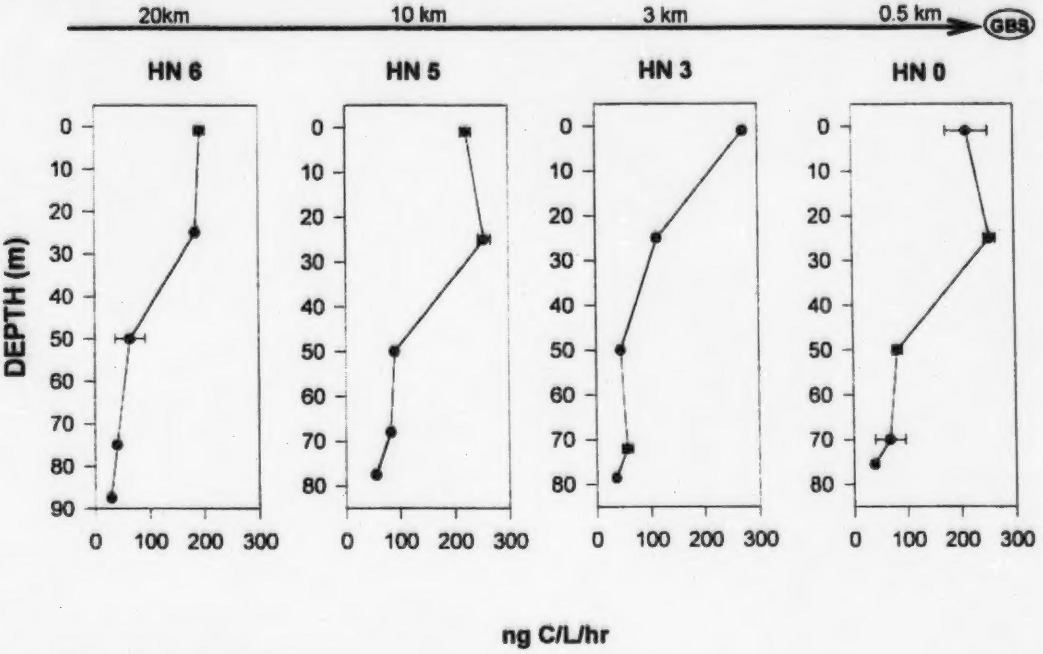


98-015 Hibernia West Transect
Nutrients

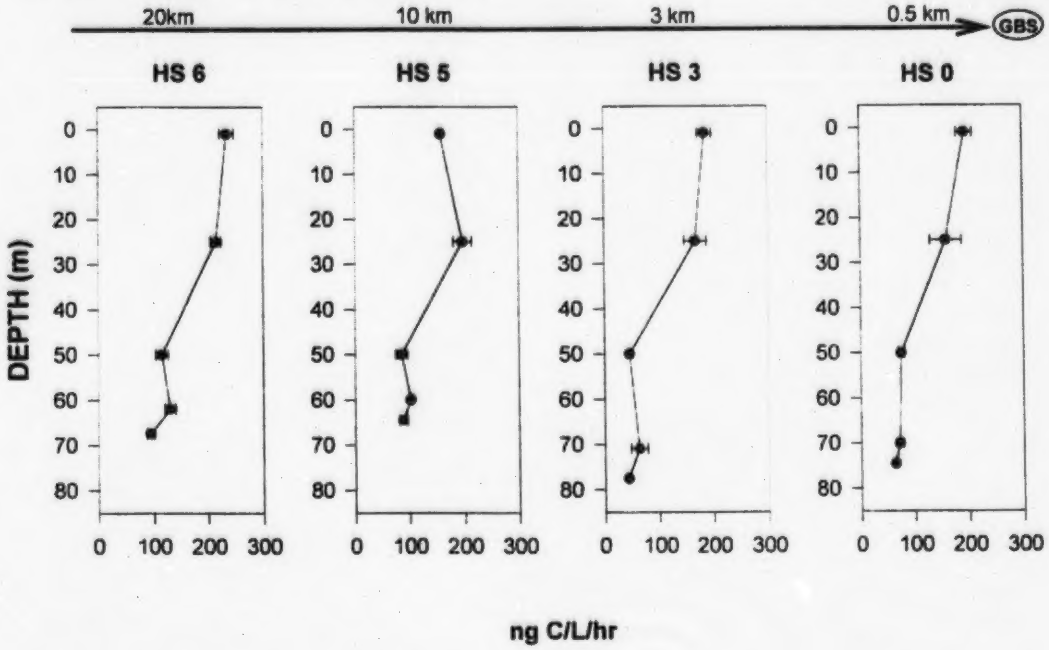




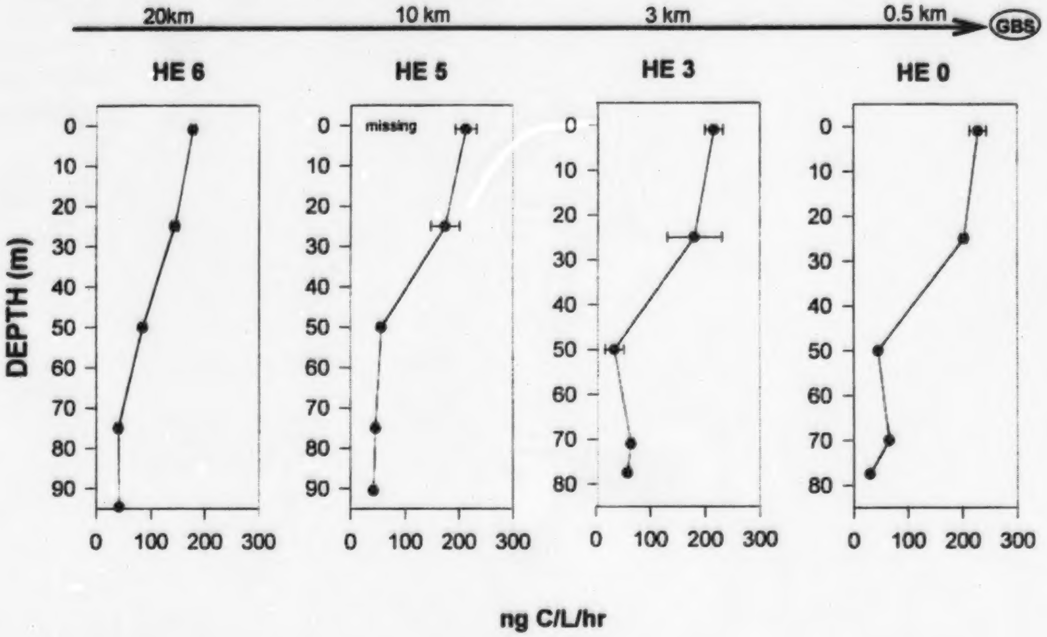
98-015 Hibernia North Transect
Bacterial Productivity (^{3}H Thymidine)



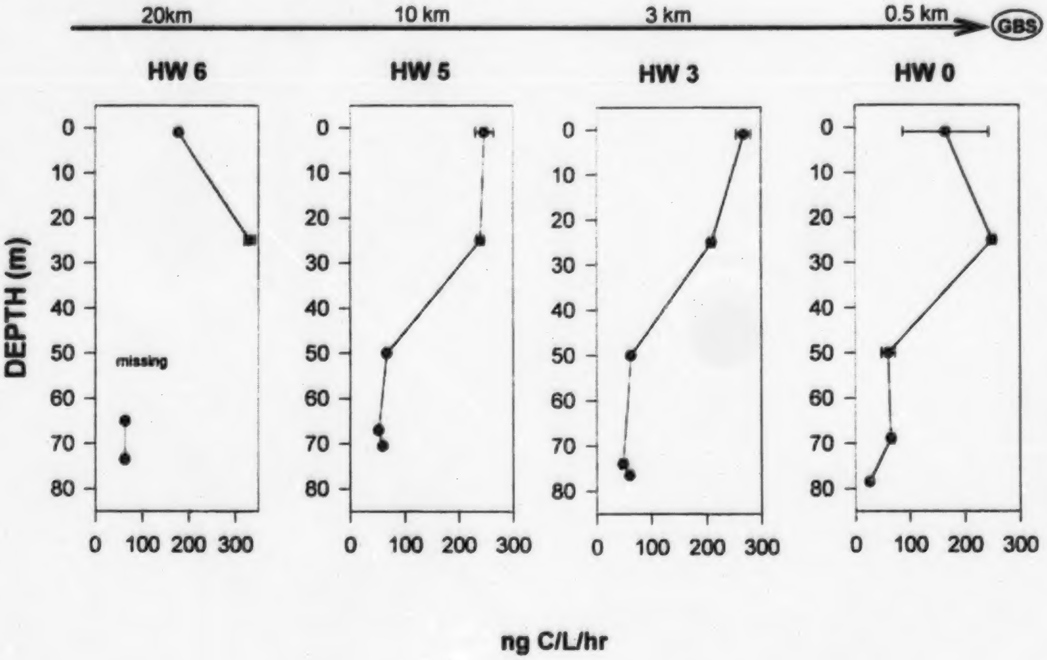
98-015 Hibernia South Transect
Bacterial Productivity (^{3}H Thymidine)



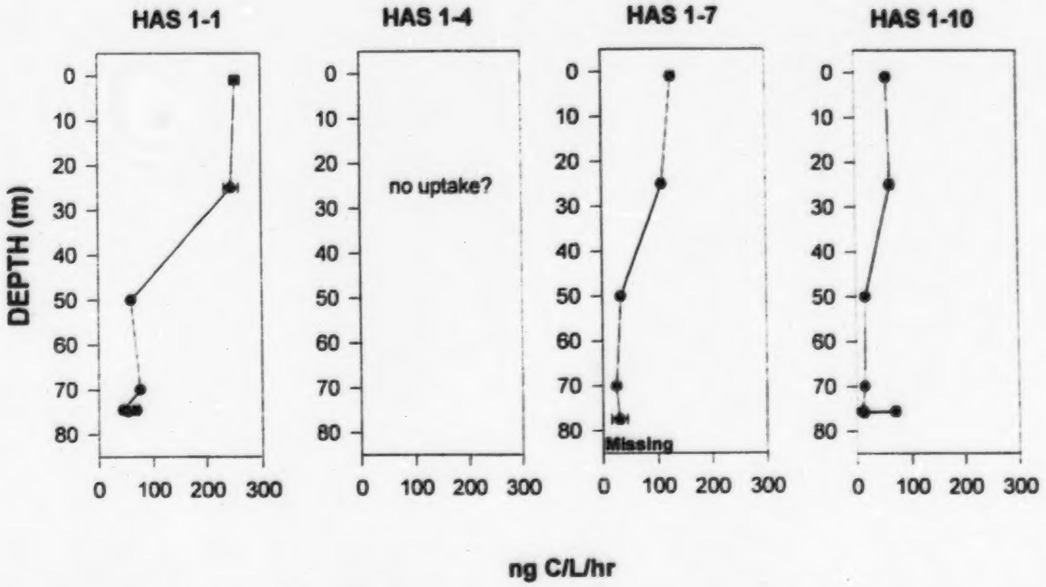
98-015 Hibernia East Transect
Bacterial Productivity (^{3}H Thymidine)



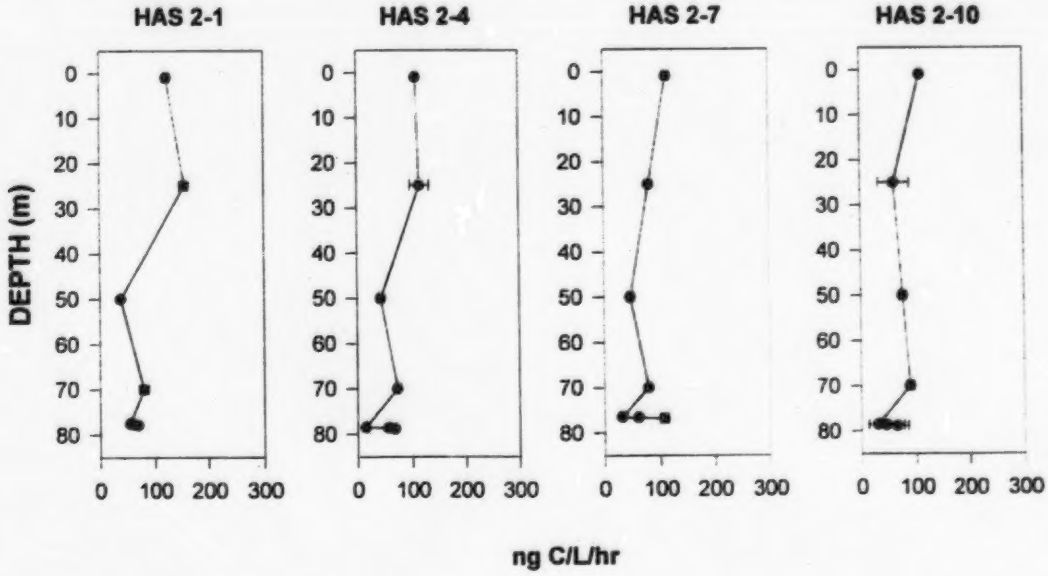
98-015 Hibernia West Transect
Bacterial Productivity (^{3}H Thymidine)



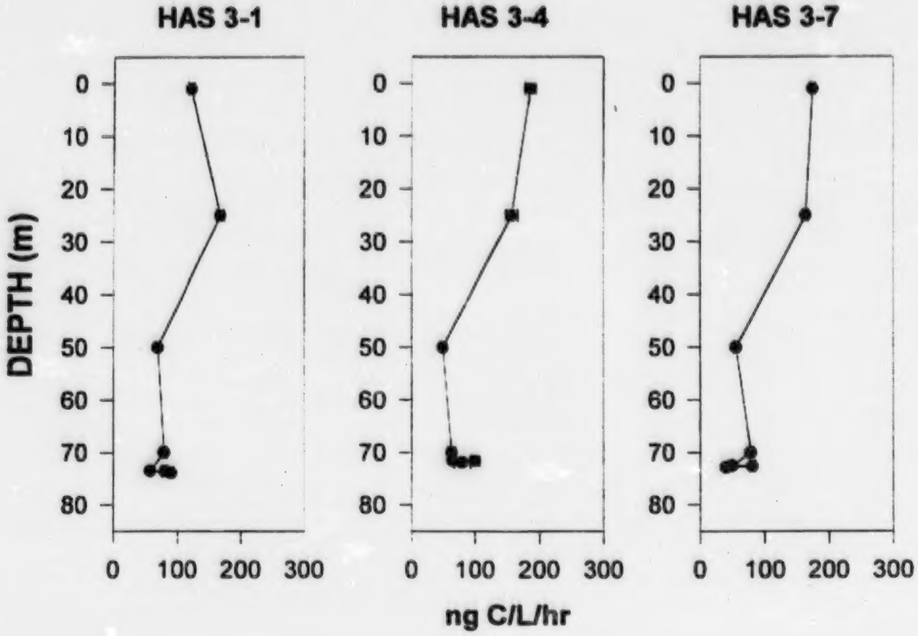
98-015 Hibernia Anchor Station 1 (1.0 km south west of GBS)
Bacterial Productivity (^{3}H Thymidine)



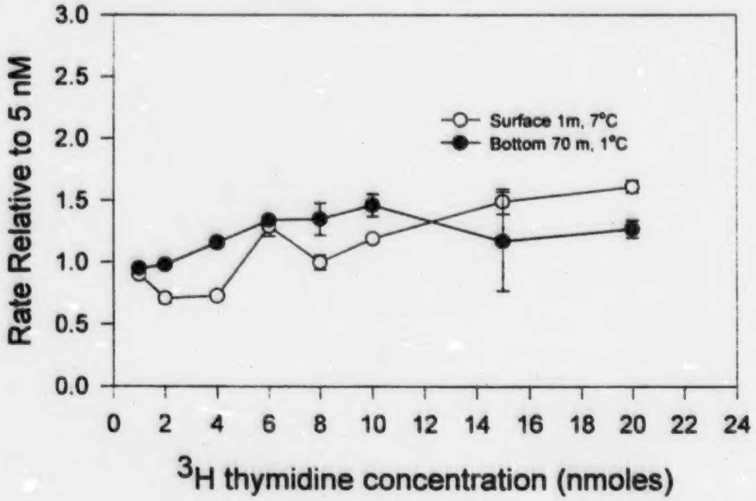
98-015 Hibernia Anchor Station 2 (2.5 km south west of GBS)
Bacterial Productivity (^{3}H Thymidine)



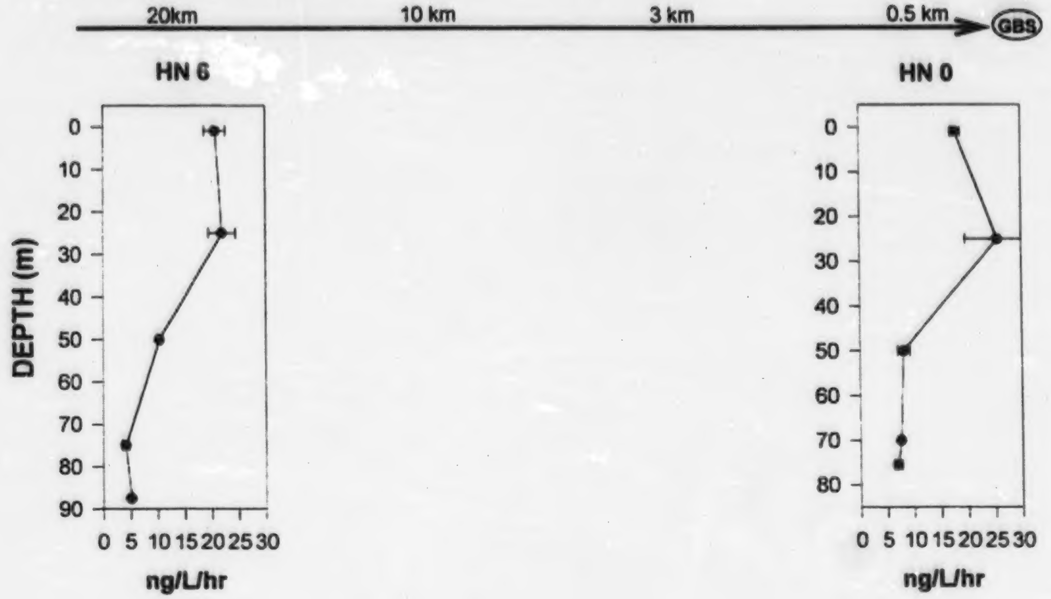
98-015 Hibernia Anchor Station 3 (10 km south west of GBS) Bacterial Productivity (^{3}H Thymidine)



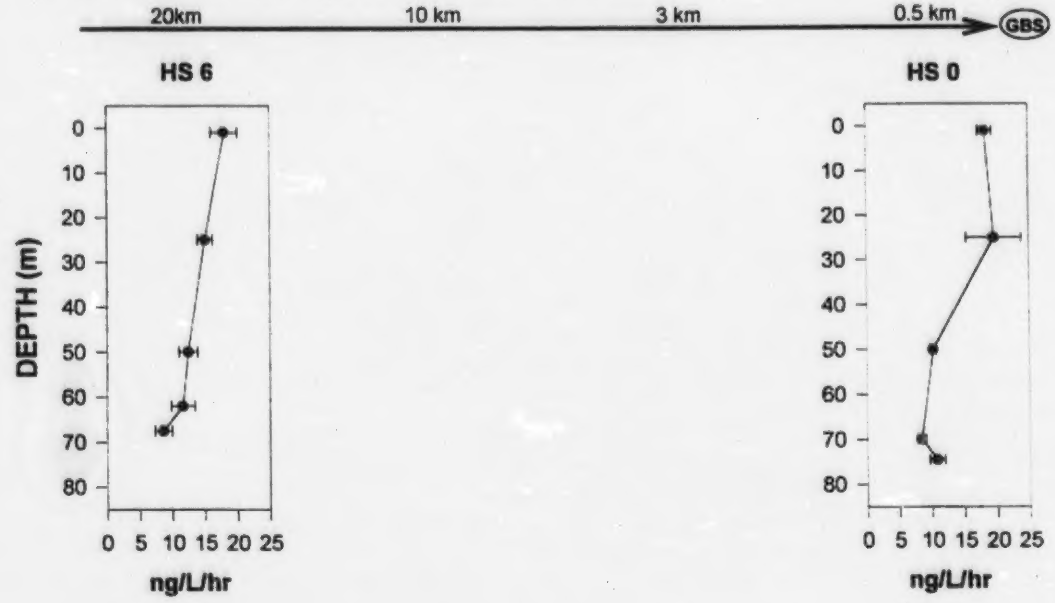
Hibernia 98-015 ^{3}H Thymidine Concentration Experiment Station HAS 3-2



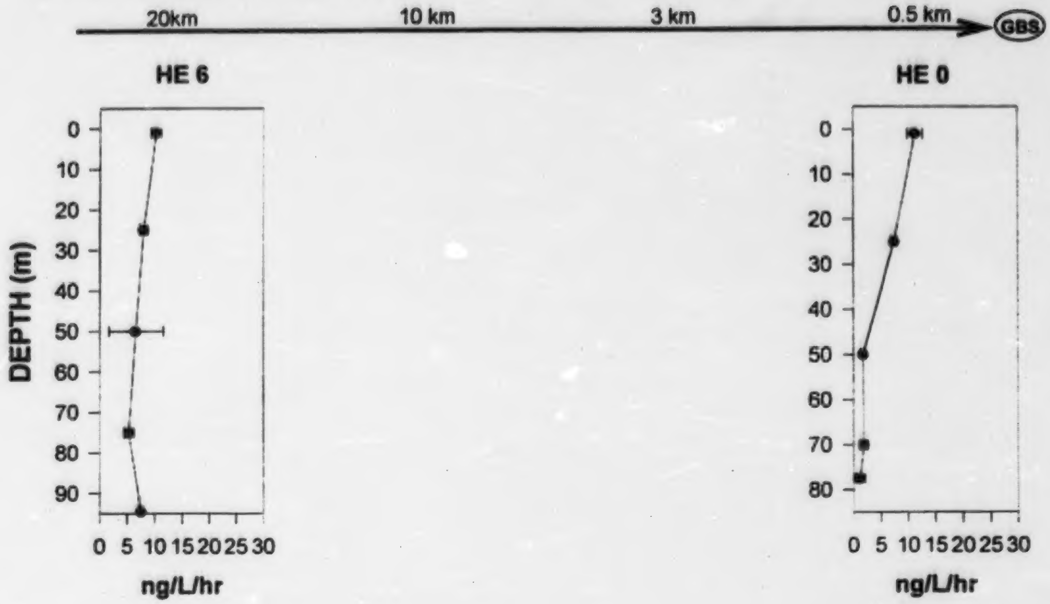
98-015 Hibernia North Transect
Relative Bacterial Activity (^{14}C Glutamic acid)



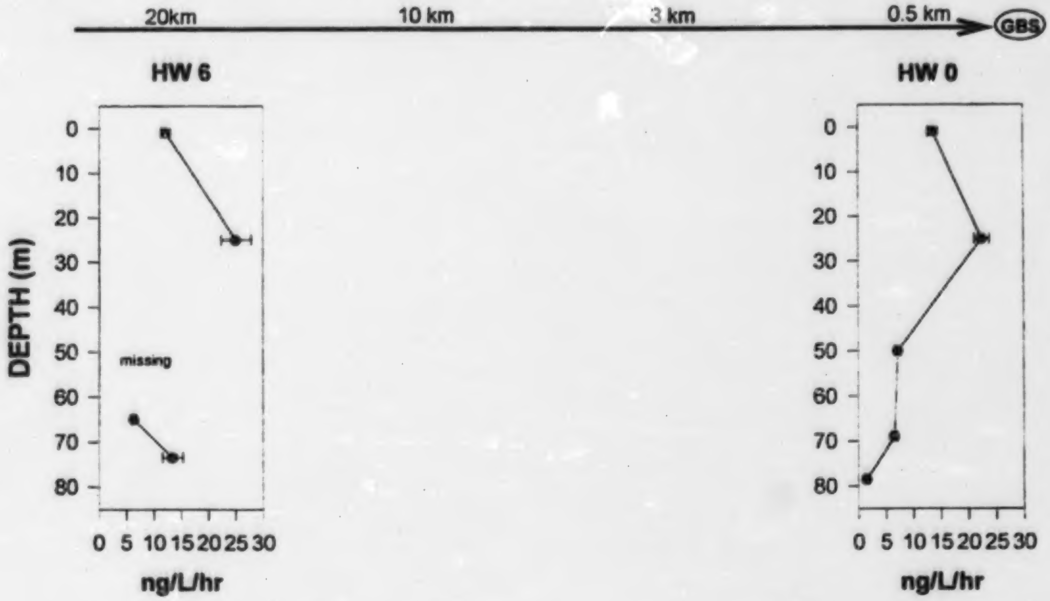
98-015 Hibernia South Transect
Relative Bacterial Activity (^{14}C Glutamic acid)



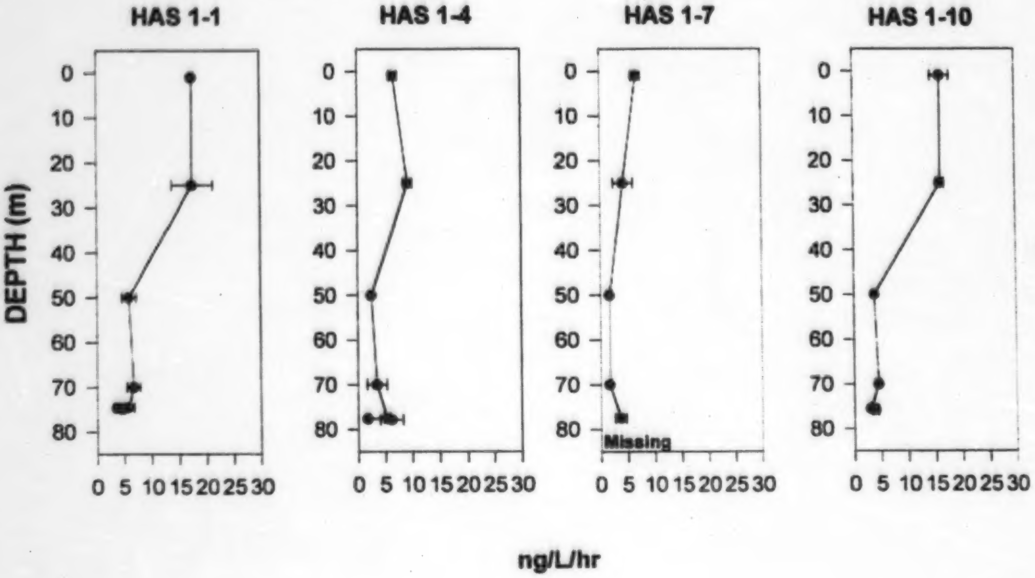
98-015 Hibernia East Transect
Relative Bacterial Activity (^{14}C Glutamic acid)



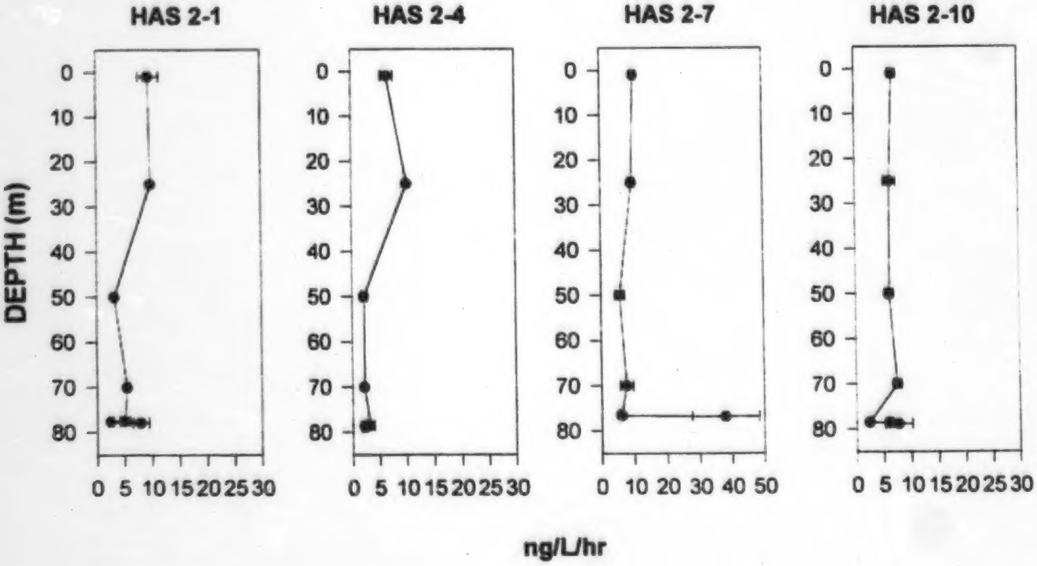
98-015 Hibernia West Transect
Relative Bacterial Activity (^{14}C Glutamic acid)



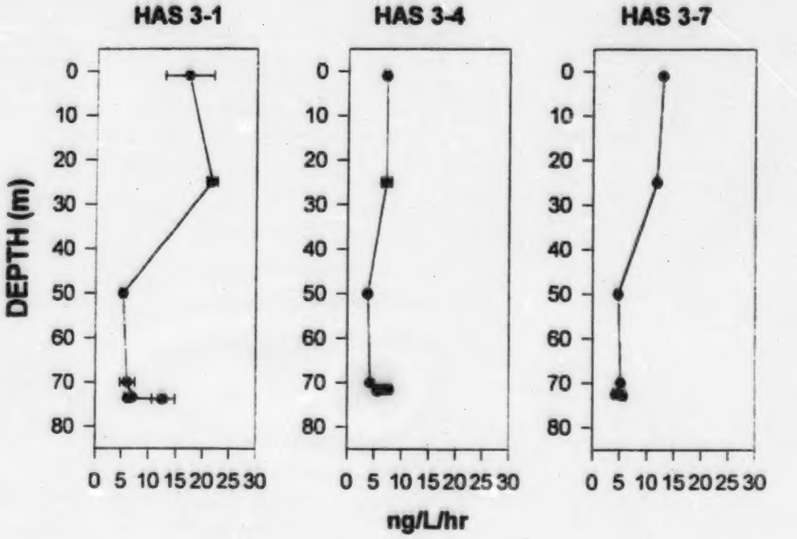
98-015 Hibernia Anchor Station 1 (1.0 km south west of GBS)
Relative Bacterial Activity (^{14}C Glutamic acid)



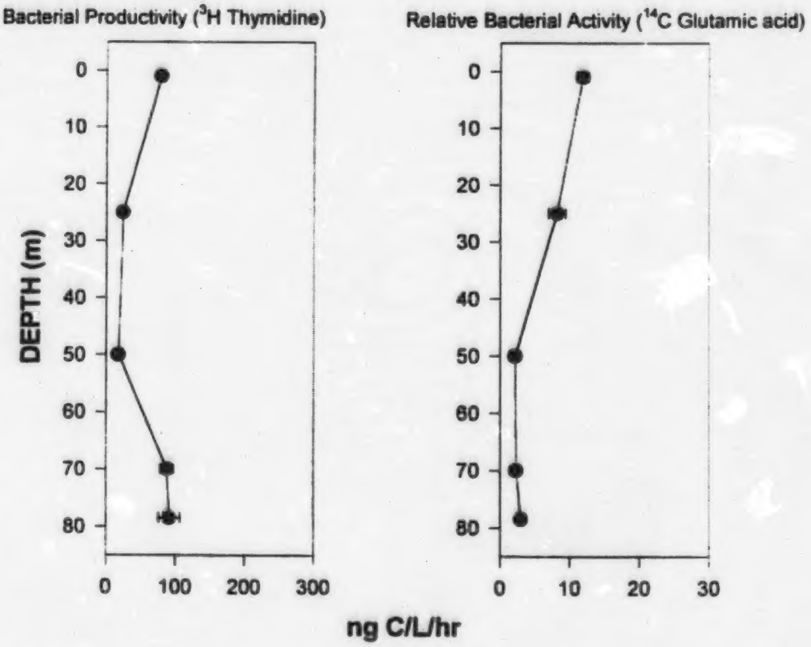
98-015 Hibernia Anchor Station 2 (2.5 km south west of GBS)
Relative Bacterial Activity (14C Glutamic acid)



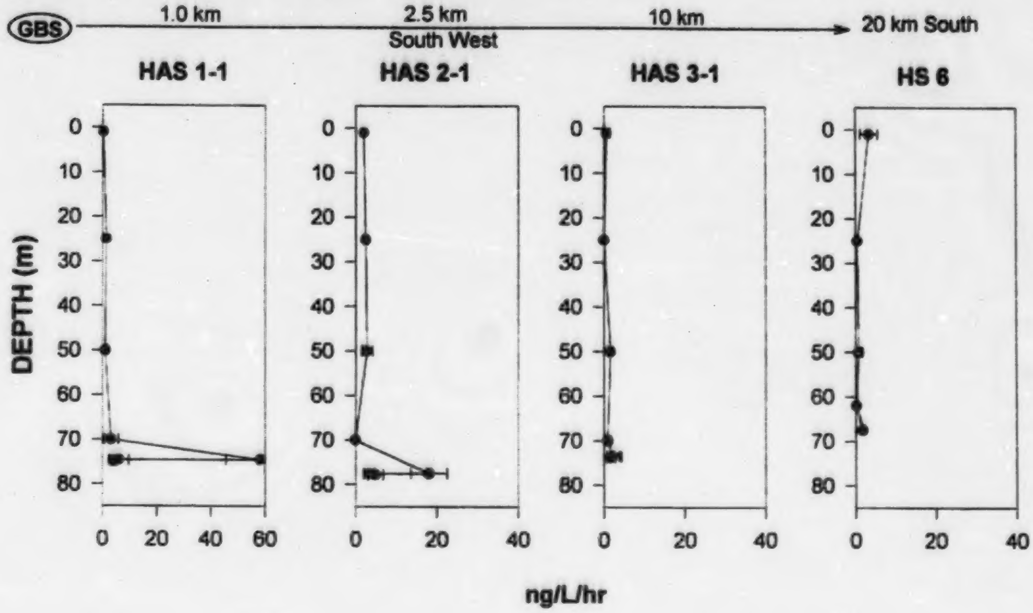
98-015 Hibernia Anchor Station 3 (10 km south west of GBS)
Relative Bacterial Activity (^{14}C Glutamic acid)



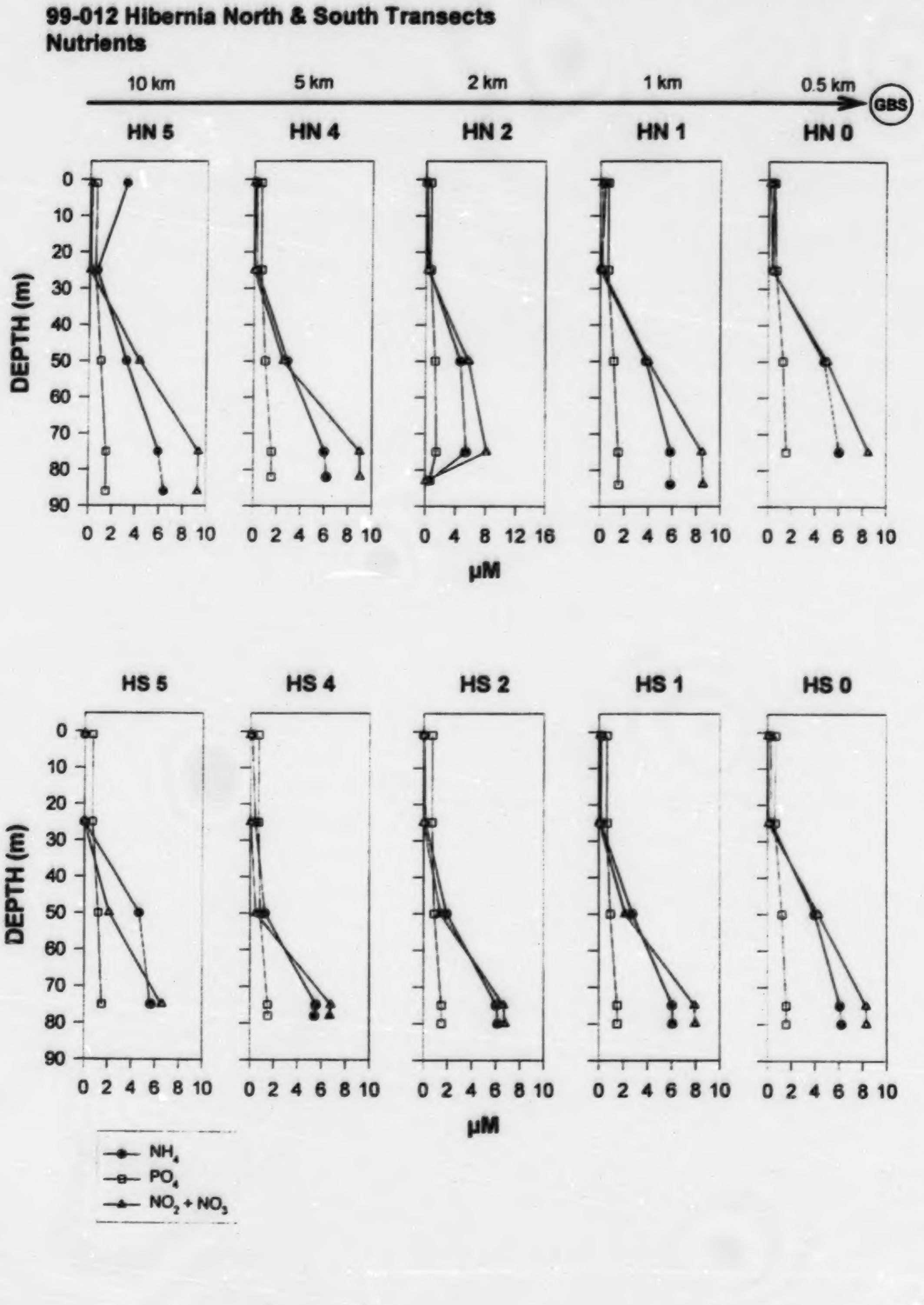
98-015 Hibernia Station PT-1



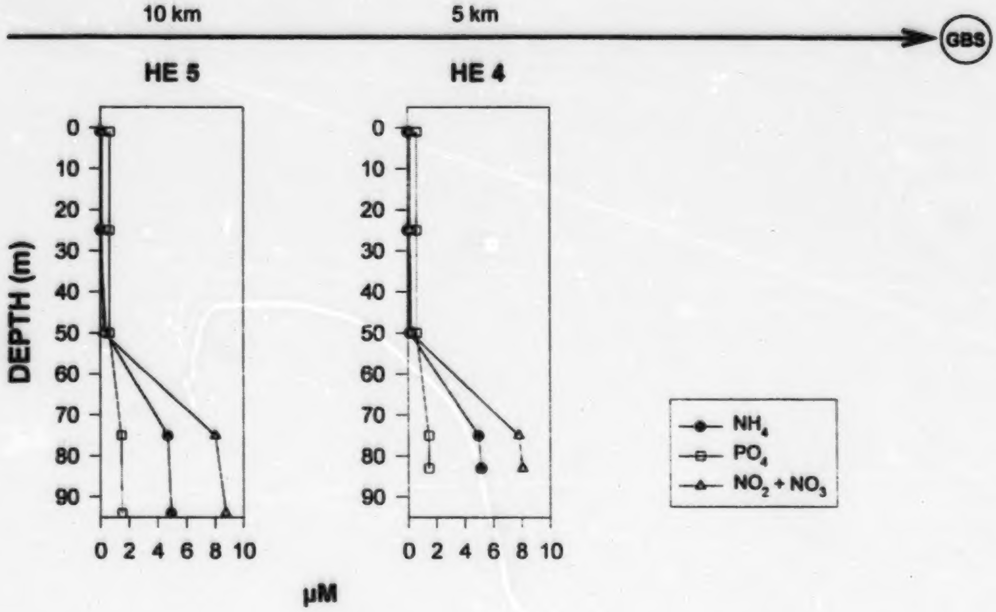
98-015 Hibernia
Relative Bacterial Respiration(^{14}C Hexadecane)



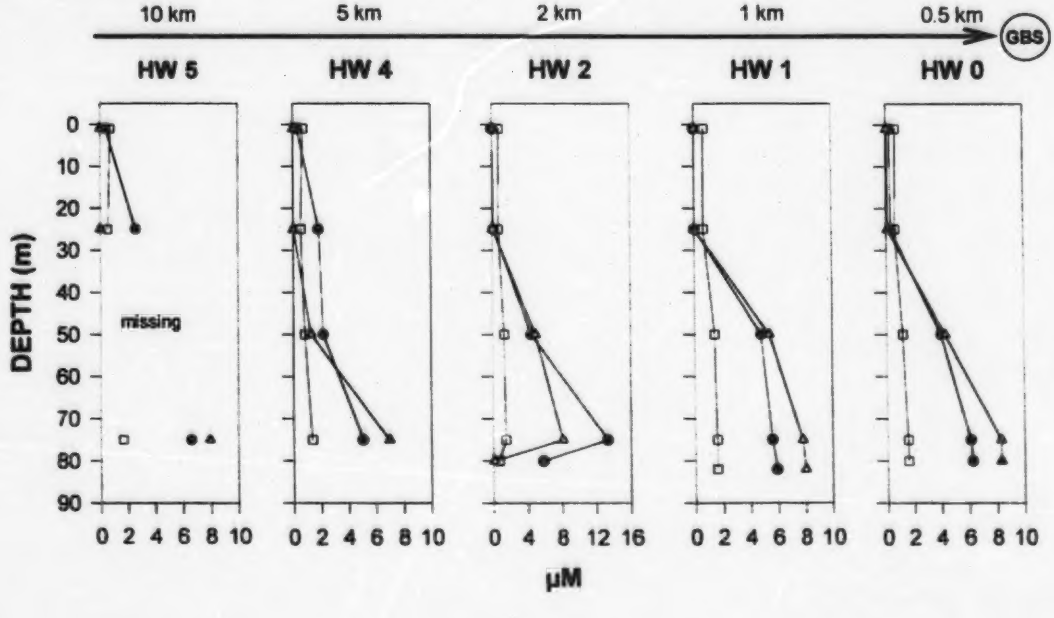
Appendix VIII. Plots of microbiological results of samples collected from Mission 99-012.



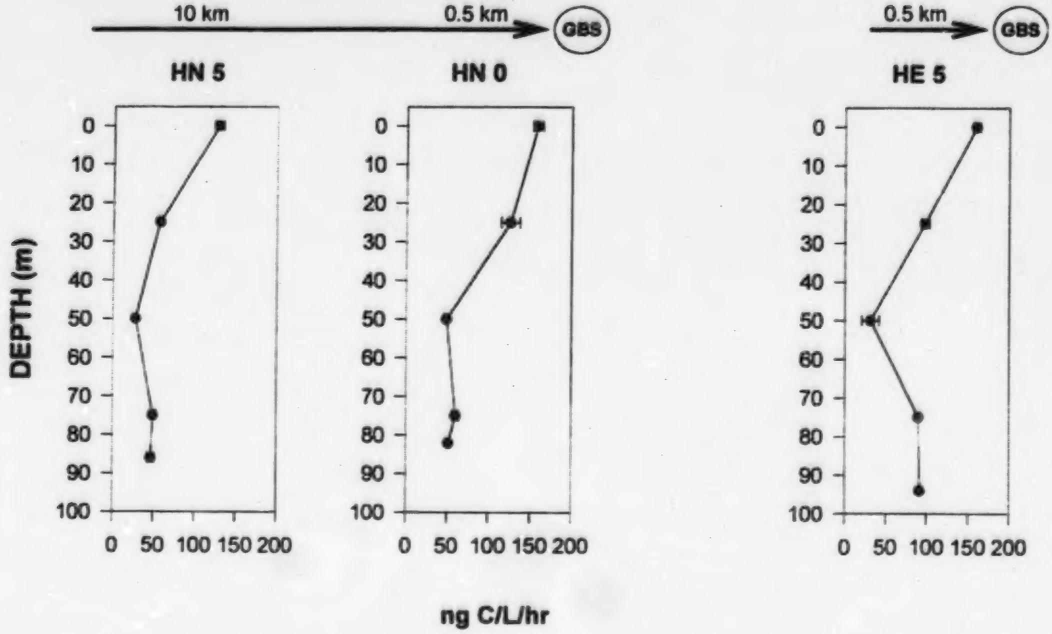
99-012 Hibernia East Transect Nutrients



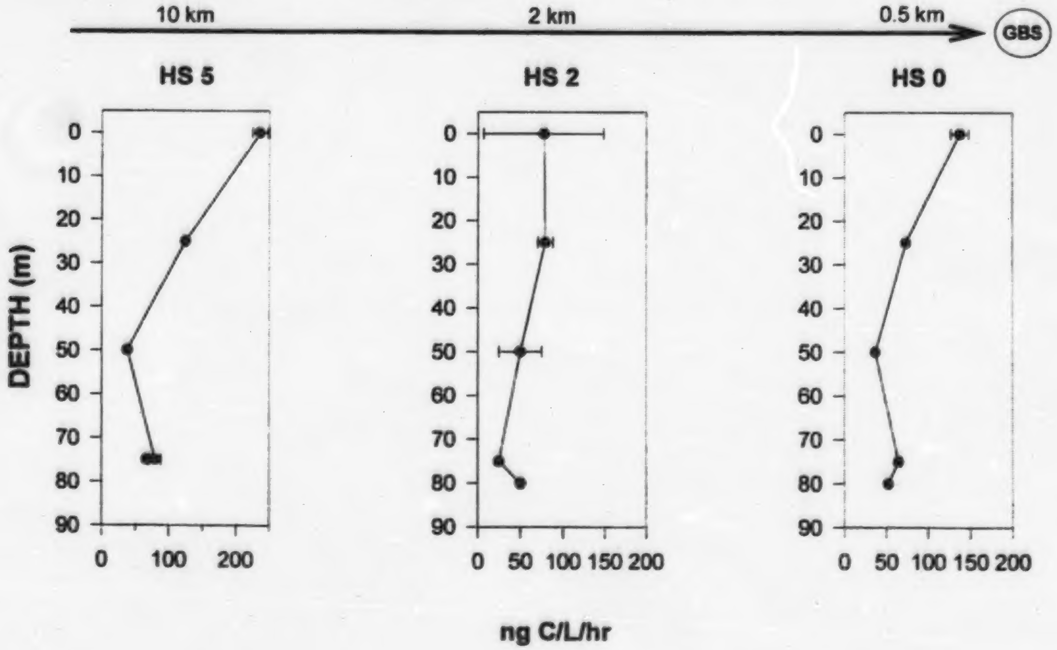
99-012 Hibernia West Transect Nutrients



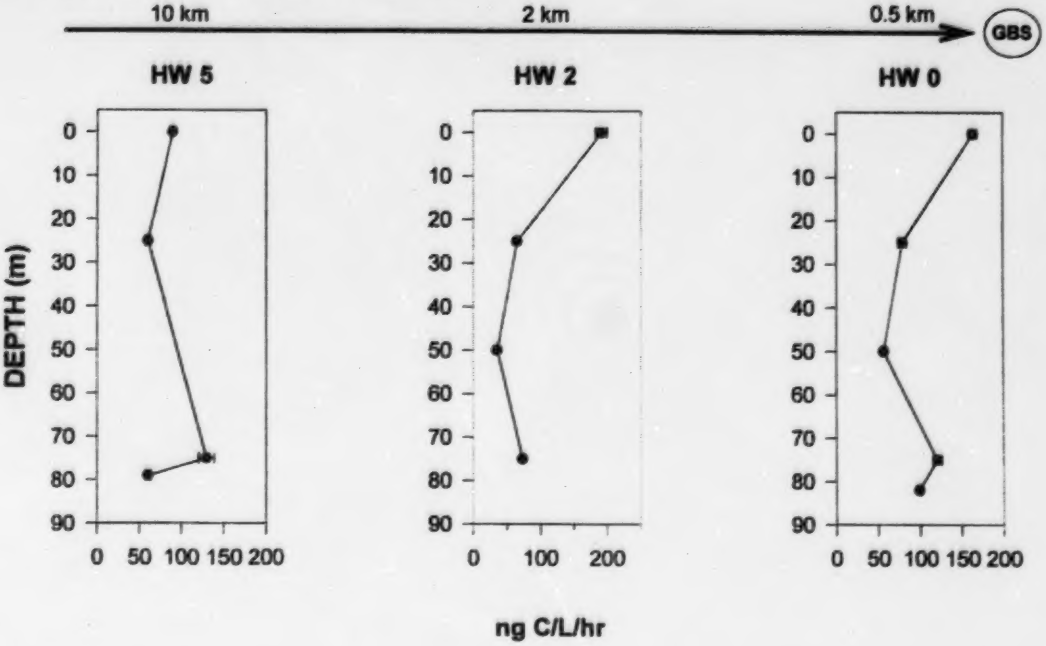
99-012 Hibernia North and East Transects
Bacterial Productivity (^{3}H Thymidine)



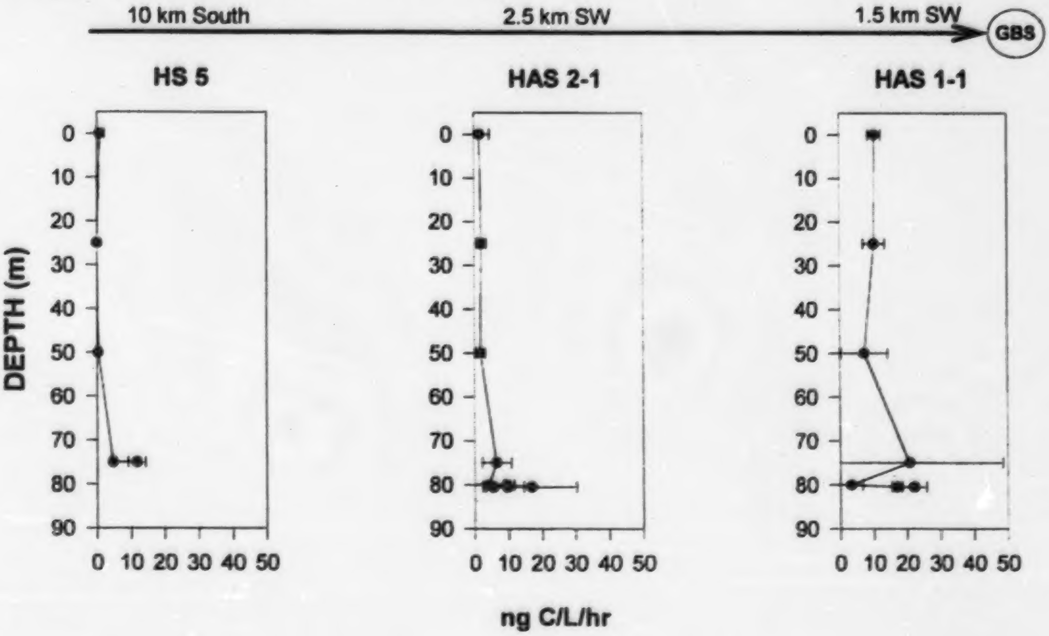
99-012 Hibernia South Transect
Bacterial Productivity (^{3}H Thymidine)



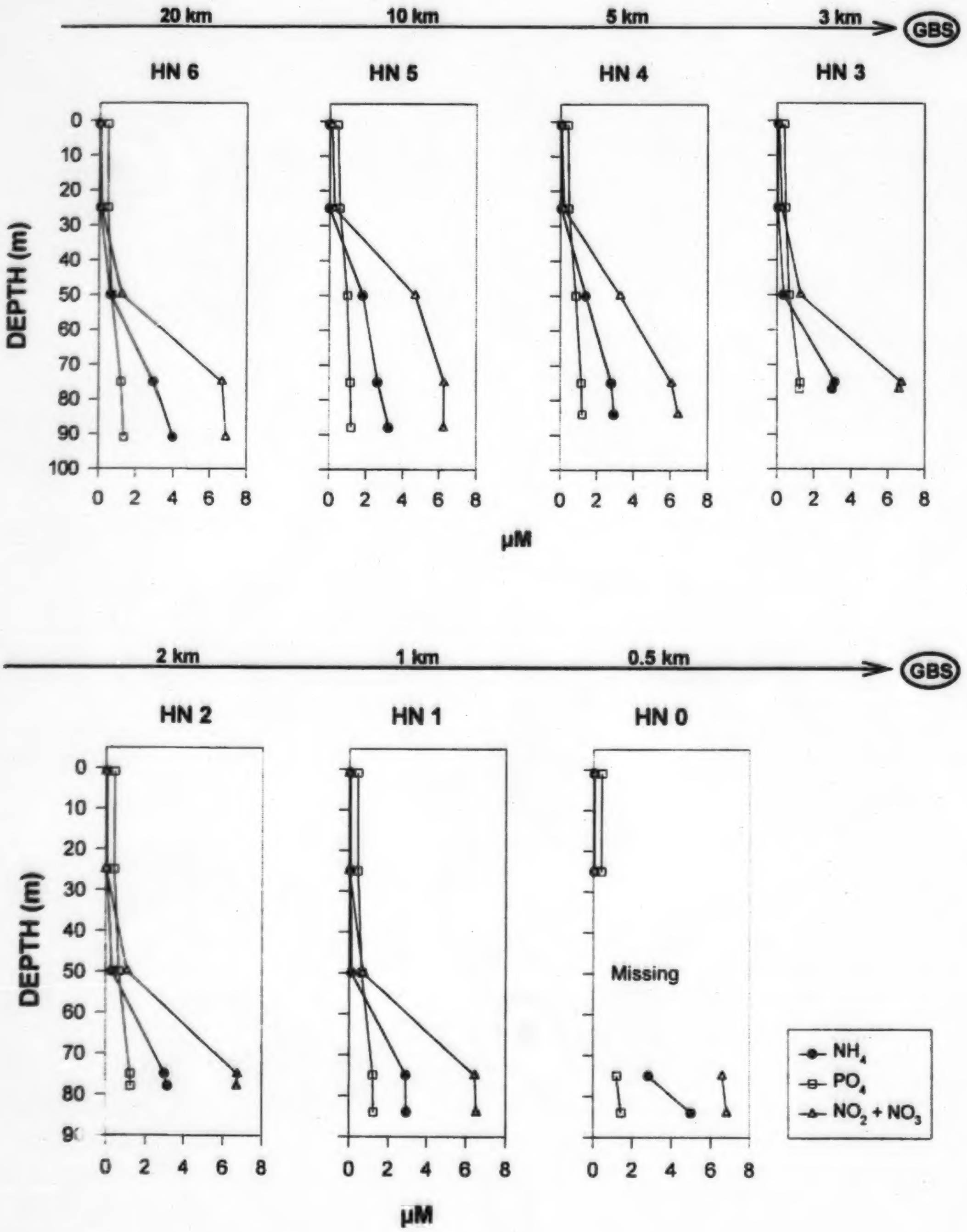
99-012 Hibernia West Transect
Bacterial Productivity (^{3}H Thymidine)



99-012 Hibernia South Transect and Anchor Stations
Bacterial Productivity (^{14}C Hexadecane)

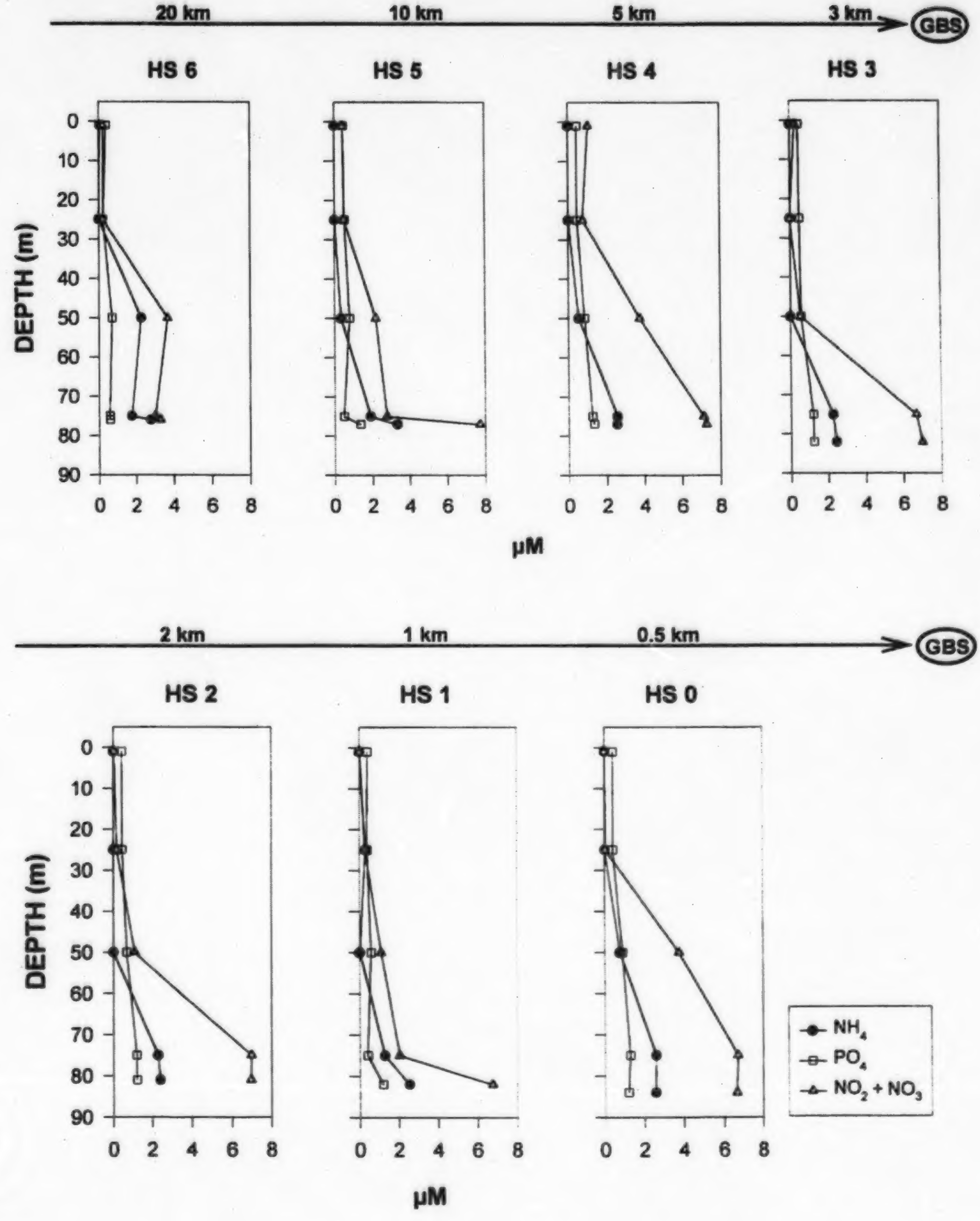


Appendix IX. Plots of microbiological results of samples collected from Mission 2000-020.,

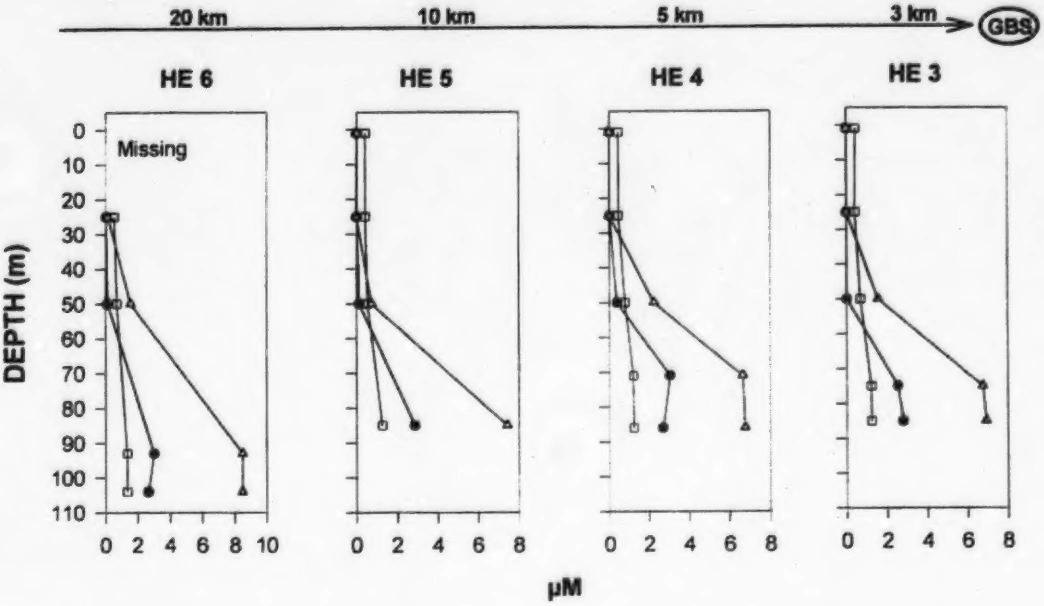


20-020 Hibernia North Transect Stations
Nutrients

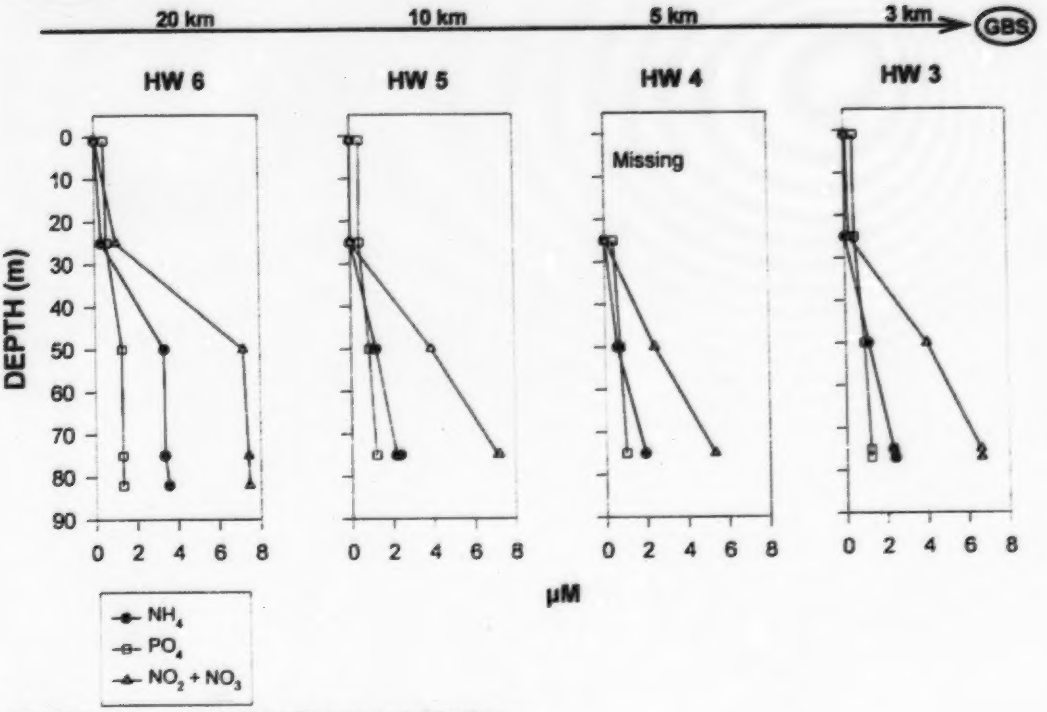
20-020 Hibernia South Transect Stations
Nutrients



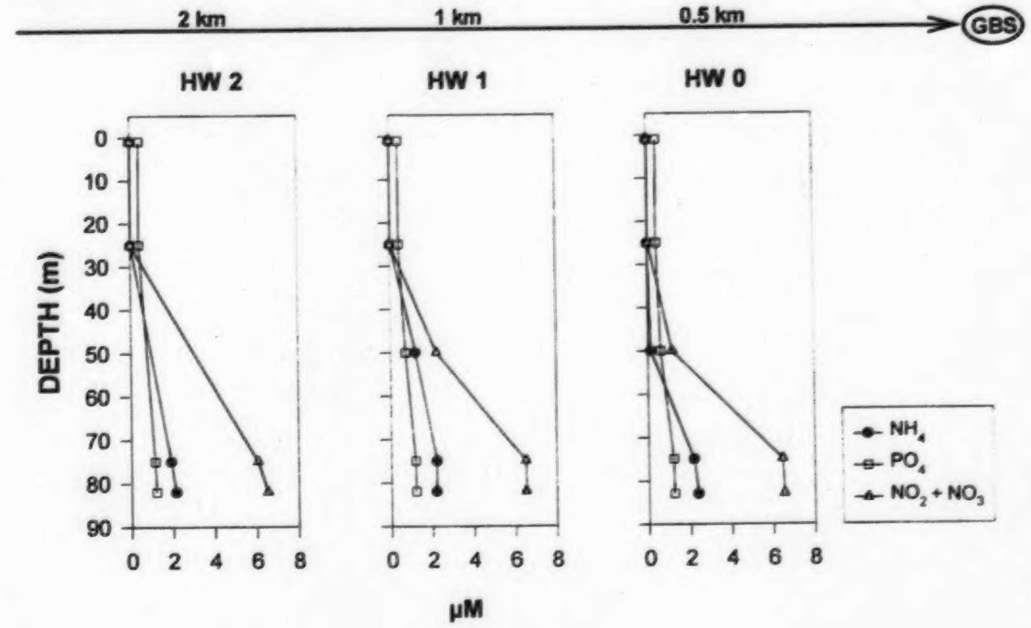
20-020 Hibernia East Transect Stations
Nutrients



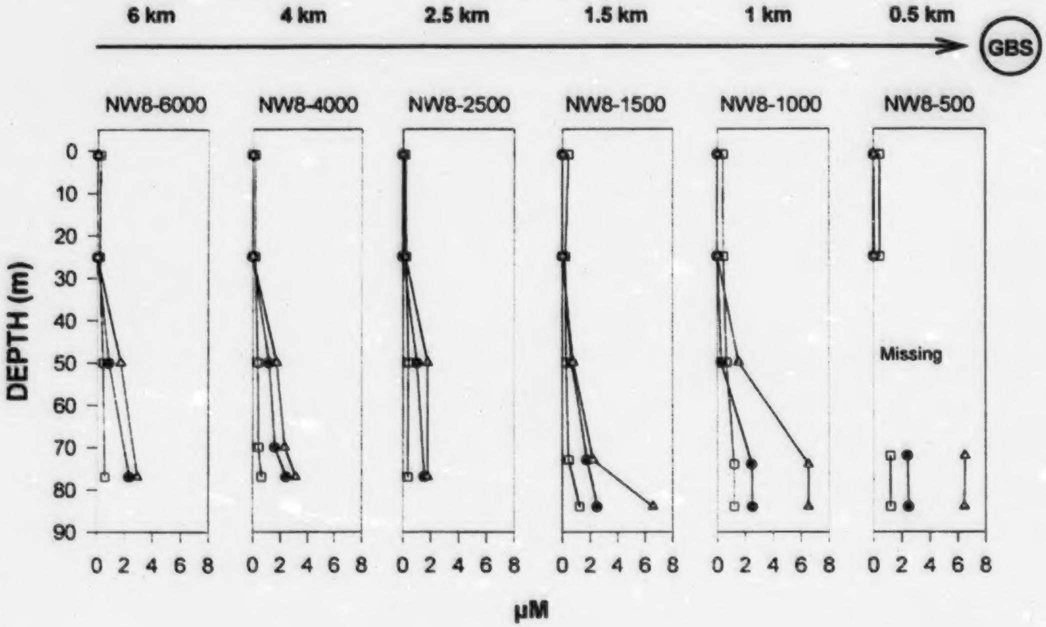
20-020 Hibernia West Transect Stations
Nutrients



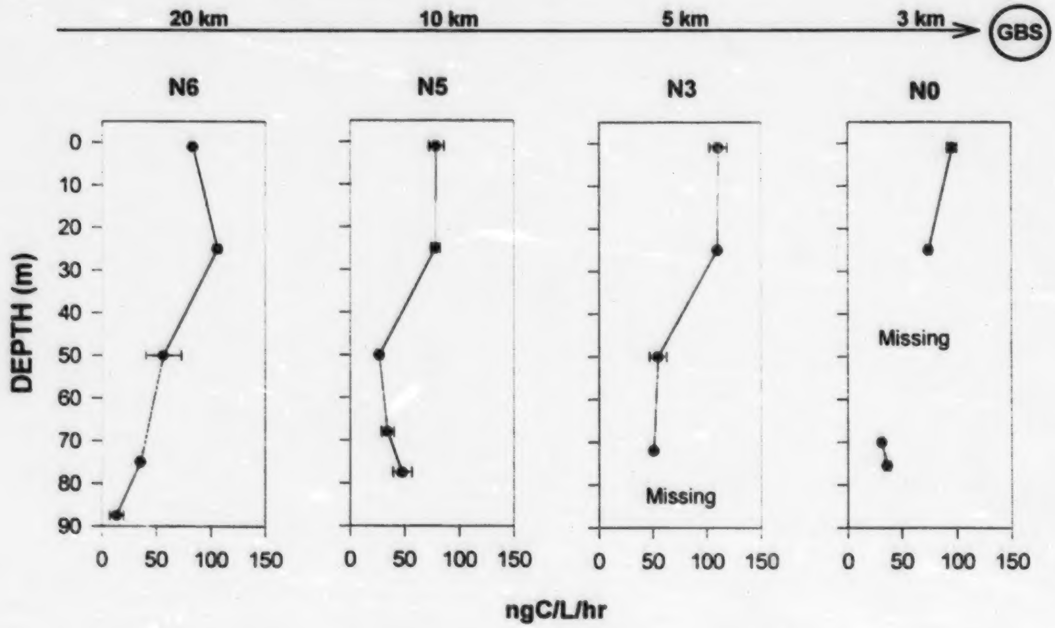
20-020 Hibernia West Transect Stations
Nutrients



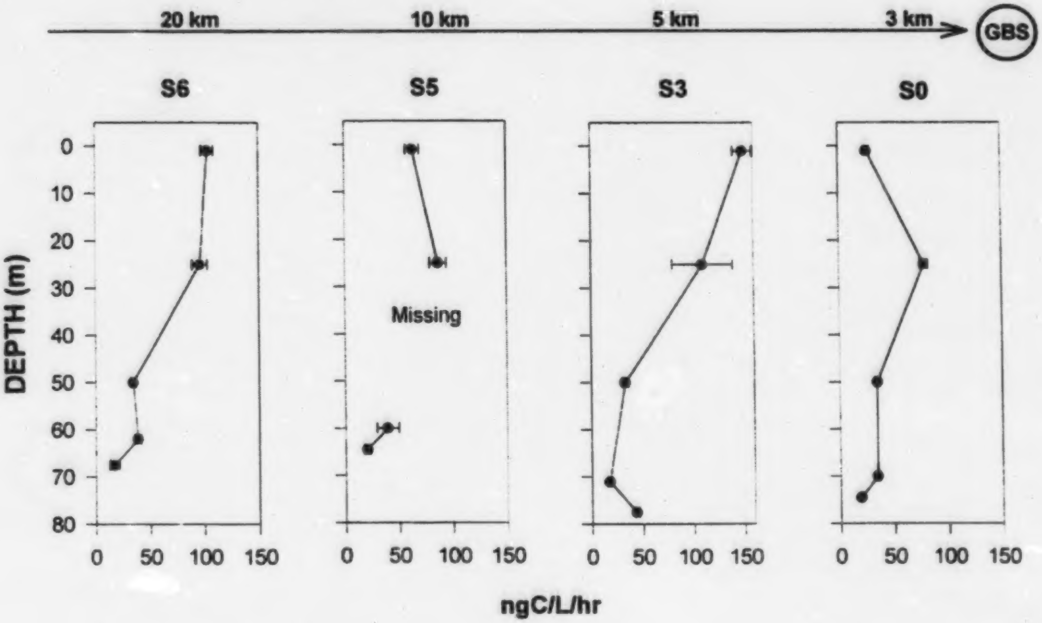
20-020 Hibernia Northwest Transect - Nutrients



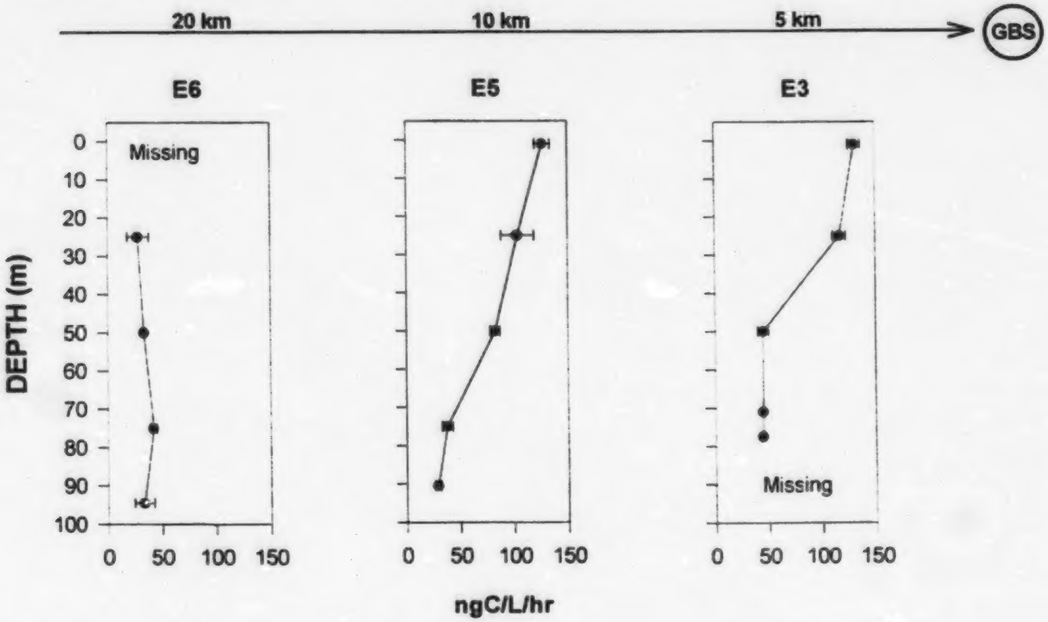
20-020 Hibernia North Transect
Bacterial Productivity (^{3}H Thymidine)



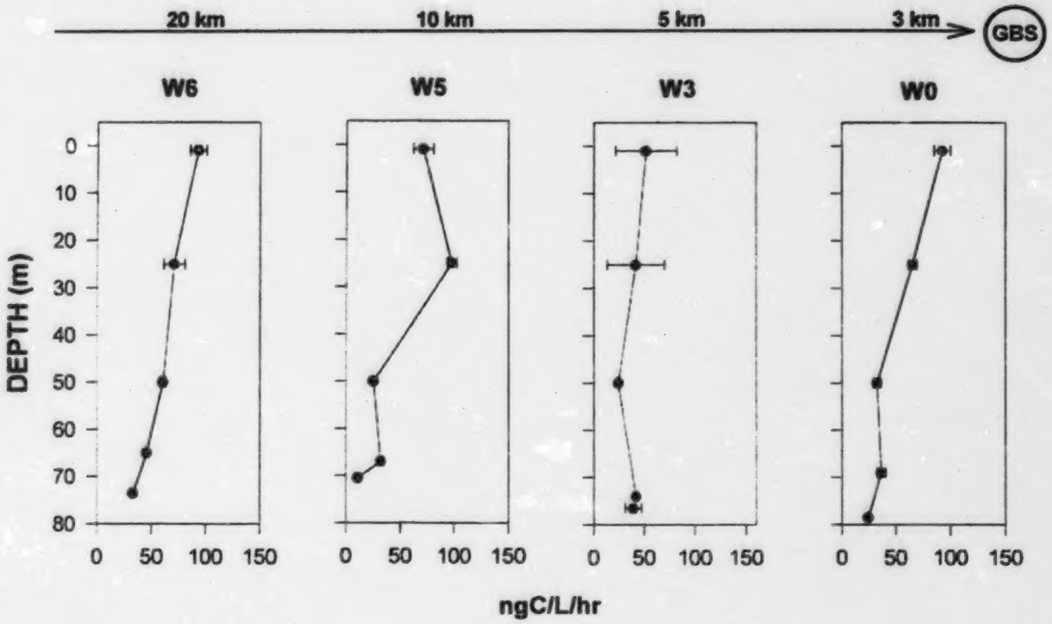
20-020 Hibernia South Transect
Bacterial Productivity (^{3}H Thymidine)



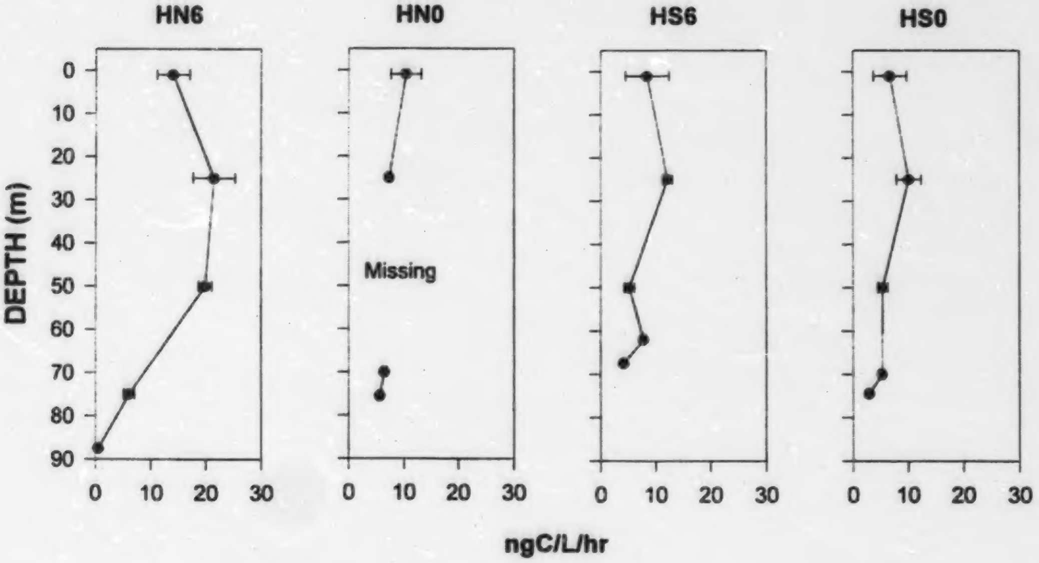
20-020 Hibernia East Transect
Bacterial Productivity (^{3}H Thymidine)



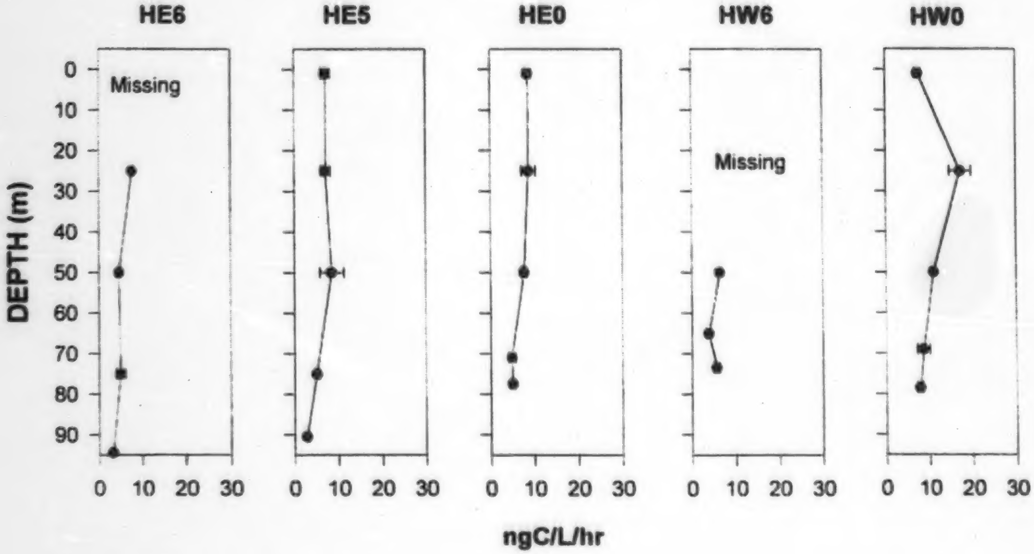
20-020 Hibernia West Transect
Bacterial Productivity (^{3}H Thymidine)



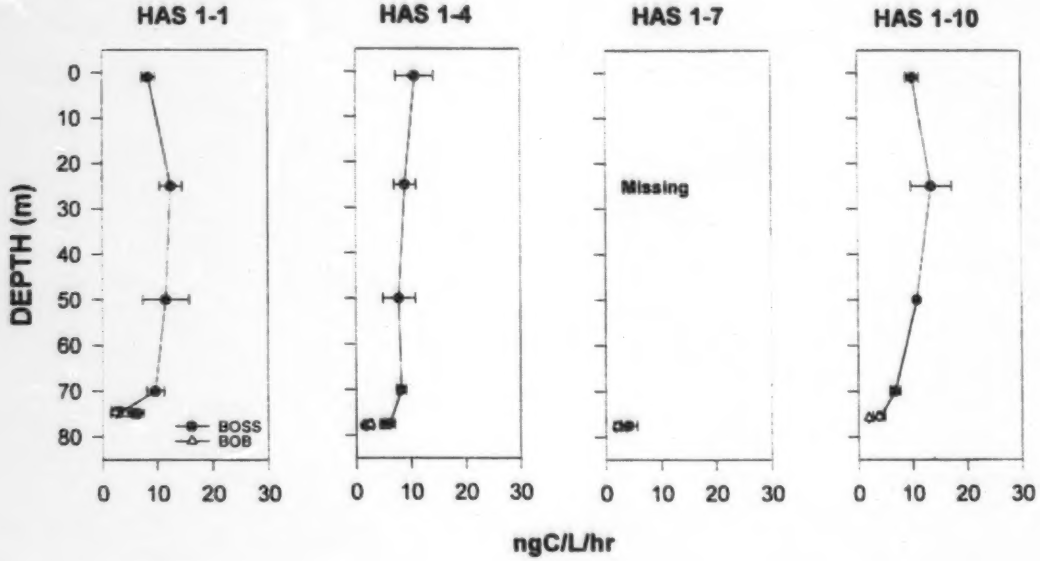
20-020 Hibernia North and South Transects
Relative Bacterial Activity (^{14}C Glutamic acid)

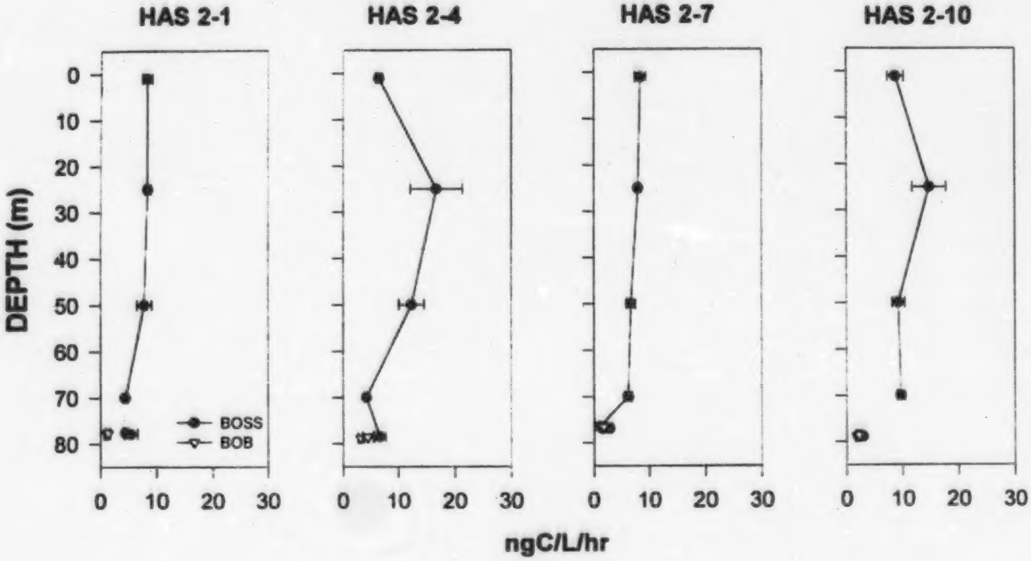


20-020 Hibernia East and West Transects
Relative Bacterial Activity (^{14}C Glutamic acid)

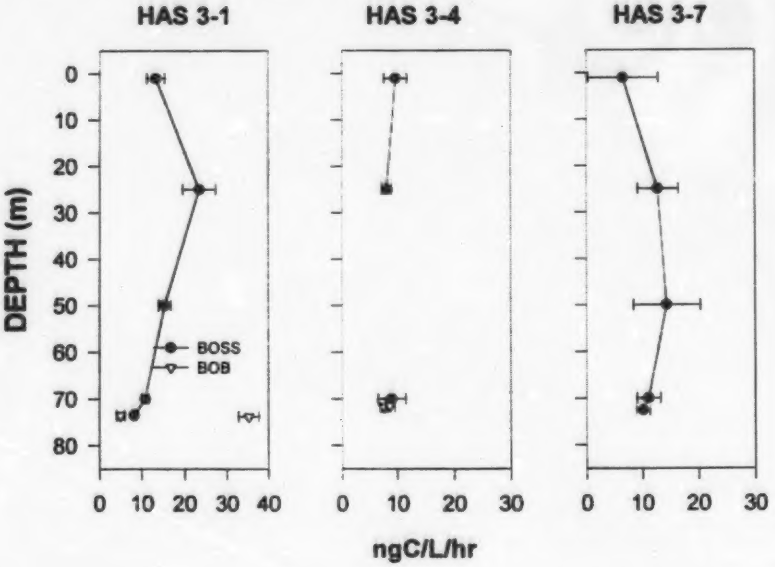


20-020 Hibernia Anchor Station 1
Relative Bacterial Activity (^{14}C Glutamic acid)



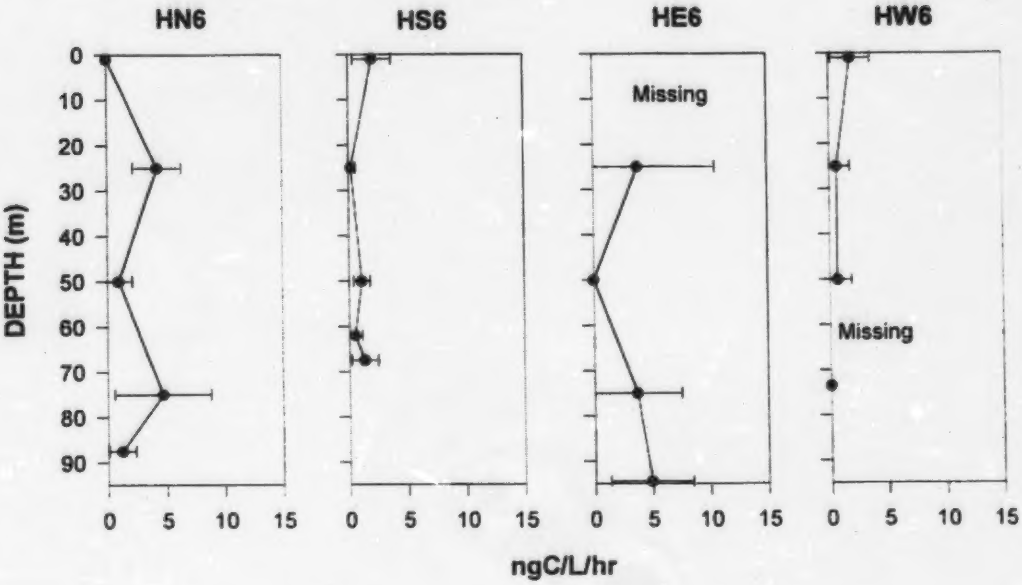


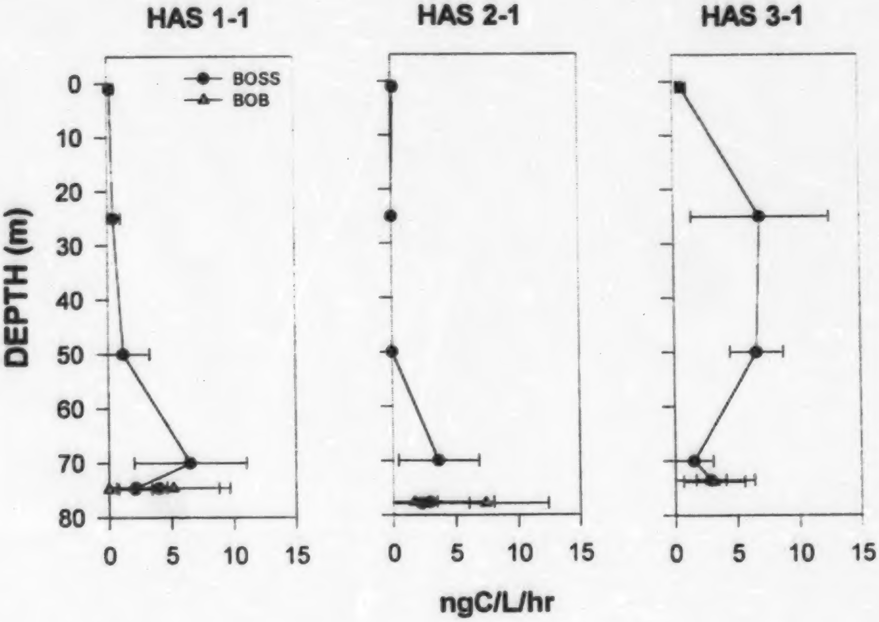
20-020 Hibernia Anchor Station 2
Relative Bacterial Activity (^{14}C Glutamic acid)



20-020 Hibernia Anchor Station 3
Relative Bacterial Activity (^{14}C Glutamic acid)

20-020 Hibernia Transects
Relative Bacterial Respiration(^{14}C Hexadecane)



20-020 Hibernia Anchor Stations
Relative Bacterial Respiration (^{14}C Hexadecane)